# Graduate Council Curriculum Committee
## October 8, 2012
## 12:00 p.m., MH 395

**<u>Agenda</u>**

1. Welcome and call to order

2. Addition of a graduate certificate in Research Administration, COHPA

3. Addition of a twinning agreement between UCF and CUEB, Beijing, China, COS

4. Addition of an MSN Adult/Gerontology Nurse Practitioner track, CON

5. Revisions to the MSN Doctor of Nursing Practice track, CON

6. Revisions to the MSN Family Nurse Practitioner track, CON

7. Revisions to the Family Nurse Practitioner certificate, CON

8. Revisions to the Adult/Gerontology Nurse Practitioner certificate, CON

9. Courses and special topics

10. Adjournment


**Members of the Graduate Council Curriculum Committee:**

Charles Kelliher, CBA (chair)
Donna Malvey, COHPA
Kerry Purmensky, CAH
Art Weeks, CECS
Harry Weger, COS
Deborah Breiter, RCHM
Joyce Nutta, CED
Terrie Sypolt, LIB
Julee Waldrop, CON
Boris Zeldovich, COP
Antonis Zervos, COM
Lucretia Cooney, GSA
Max Poole, CGS Liaison

**UNIVERSITY OF CENTRAL FLORIDA**

COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

**This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.**

PLEASE NOTE: The deadline for new tracks or certificates is **February 1 of each year**. Any proposal for new tracks or certificates received after this date will not be included in the next year's catalog. Revisions to existing programs, tracks, or certificates are **due by March 15**. Any proposals for revisions received after that date will not be included in the next year's catalog. Please include catalog copy (description, curriculum, contact information, application requirements, and application deadlines). For revisions – attach the catalog copy **showing changes (use Track Changes in Word)**.

**College/Unit(s) Submitting Proposal:** _____

**Proposed Effective Term/Year:** _____

**Unit(s) Housing Program:** _____

**Name of program, track and/or certificate:** _____

**Brief description of program** (this description will show up in the graduate catalog copy)**:** *Do not add complete catalog copy here.*

_____

**DELIVERY - Will program be delivered:**  ☐ **Face to face**    ☐ **Completely online**    ☐ **Mixed delivery**

**Admissions deadlines:** (Please specify if you have a different deadline for the track than for the program?)

_____

**Application requirements:** (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)

_____

**Program Director(s) and contact information:** (name, email, phone, campus address, program website address)

_____

_____

**Please check one: this action affects a:**  ☐ Program  ☐ Track  ☐ Certificate

**Please check one: this action is a(n):**

☐  Addition. Please proceed to Part A.

☐  Revision.  If a revision applies to multiple tracks, please list them here and then proceed to Part A:

_____

☐  Inactivation

☐  Temporary Suspension of Admissions. Give Length of Suspension:

_____

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

# Signature Page

**RECOMMENDATIONS**

| | | | | |
|---|---|---|---|---|
| ☐ Yes | ☐ No | **Department Chair:** _____ | **Date:** _____ |
| ☐ Yes | ☐ No | **College Curriculum Committee Chair:** _____ | **Date:** _____ |
| ☐ Yes | ☐ No | **College Dean:** _____ | **Date:** _____ |
| ☐ Yes | ☐ No | **Chair or GSC:** _____ | **Date:** _____ |
| ☐ Yes | ☐ No | **Dean, College of Graduate Studies:** _____ | **Date:** _____ |

**APPROVAL**

**Provost and Vice President for Academic Affairs:** _____ **Date:** _____

**Distribution: After approval is received from the Provost, distribution will be to:**

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate; University Analysis and Planning Support; College of Graduate Studies

**Part A – For <u>additions or revisions</u> of programs, tracks or certificates**

**Brief statement of rationale:** (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

```
[                                                                    ]
```

**For Revisions:**

**Brief listing of Program Changes:** (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other require-ments, please state those changes. **Remember to attach the catalog copy showing changes, using Track Changes in Word.**)

```
[                                                                    ]
```

**Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?**

☐ **Yes**     ☐ **No**

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☐ **Yes** ☐ **No**

**Name Change**

**Are you changing the name of an existing program, track, or certificate?** ☐ **Yes** ☐ **No**

If yes, provide the new name of the program, track, or certificate:

_____

Provide the name of the current program, track, or certificate:

_____

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☐ **Yes** ☐ **No**

_____

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

_____

new CIP:

_____

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

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**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

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**If applicable,** provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

**If an addition,** provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

| | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| **Headcount** | | | |
| **SCHs** | | | |

**If an addition,** indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

**Part A - Continued**

**If an addition or there are substantial REVISIONS** to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

| | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| **Year 1** | | | | | |
| **Year 2** | | | | | |
| **Year 3** | | | | | |

**Checklist of items to be provided:**

☐ **Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)**

☐ **Attach all appropriate course action requests that will be necessary to implement the changes. (required)**

☐ **Emails showing consultation with other units. (if applicable)**

☐ **If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.**

☐ **If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.**

**Part B – For inactivations or suspensions of programs, tracks, or certificates**

**Are students currently enrolled in the program?** ☐ **Yes** ☐ **No**

**If yes, number of current students:**

**Please specify the intended time period of inactivation or suspension:**

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|-----------|-------------|-------------|-----------|-------------|
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |

**Checklist of items to be provided:**

☐ **Attach all appropriate course action requests that will be necessary to implement the changes. (required)**

☐ **E-mails showing consultation with other units. (if applicable)**

# Research Administration Certificate

College : [Health and Public Affairs](Health and Public Affairs)                Degree :CRT
Department : [School of Public Administration](School of Public Administration) Option : N/A
Program Websites : [http://www2.cohpa.ucf.edu/pubadm/](http://www2.cohpa.ucf.edu/pubadm/)

## PROGRAM DESCRIPTION

The Graduate Certificate in Research Administration is a 18-credit online certificate that provides an overview of the core concepts in research administration for those interested in management within research organizations. The Certificate is intended to meet the needs of individuals seeking a focused experience in order to prepare for or advance their careers in research management and leadership. It is appropriate for students who seek to expand their knowledge, but who do not wish to commit to a master's degree program.

Credit earned in the certificate program may be applied toward the Master of Research Administration (MRA) degree. However, admission to the MRA degree program has separate requirements from those of the certificate program and students considering continuing into the master's degree should consult with a faculty advisor early in their certificate program. The Graduate Certificate in Research Administration requires that students to complete 18 credit hours. Students must maintain at least a 3.0 grade point average in order to be awarded the Graduate Certificate. The Certificate must be completed within 3 years.

## CURRICULUM

### Total Credit Hours Required:
18 Credit Hours Minimum beyond the Bachelor's Degree

### Required Courses—12 Credit Hours

- PAD 6742 Introduction to Research Administration (3 credit hours)
- PAD 6743 Leadership and Organization Models in Research Administration (3 credit hours)
- PAD 6747 Audits in Research Administration (3 credit hours)
- PAD 6749 Research Integrity for Research Administrators (3 credit hours)

### Elective Courses—6 Credit Hours

Select two courses from the following list:

- PAD 6748 Governance and Regulatory Issues for Sponsored Programs (3 credit hours)
- PAD 6745 Contracting for Sponsored Programs (3 credit hours)

- PAD 6744 Financial Management in Research Administration (3 credit hours)
- PAD 6746 Intellectual Property, Technology Transfer and Commercialization (3 credit hours)

# Application Requirements

An application to the graduate certificate program and official transcripts must be submitted. Applicants must apply online. Please submit all requested material by the established deadline(s). Admission is open to those with a bachelor's degree from a regionally accredited institution with a GPA of 2.5 or above. Applications must include official transcripts, a resume and statement of interest. Employment in the field of research administration is preferred. Admission to this certificate program is limited. Please refer to the specific MRA program website for tuition rates. The University of Central Florida does not accept State Employee Waivers for this certificate program.

## Application Deadlines

| Research Administration Certificate | Fall Priority | Fall | Spring | Summer |
|---|---|---|---|---|
| Domestic Applicants | - | Jul 1 | Nov 15 | |
| International Applicants | - | - | - | - |
| International Transfer Applicants | - | - | - | - |

# Contact Info

## Graduate Program

**Jo Ann Smith PhD**
Assistant Professor
Jo.Smith@ucf.edu
Telephone: 407-823-2604
HPA II - Suite 238

**Mary Ann Feldheim PhD**
Associate Professor
mfeldhei@ucf.edu
Telephone: 407-823-2604
Health and Public Affairs II 238

## Graduate Admissions

**Admissions Counselor**

gradadmissions@ucf.edu
Telephone: 407-823-2766 ext. 255

Millican Hall 230
Online Application
Graduate Admissions

**Mailing Address**

UCF College of Graduate Studies
Millican Hall 230
PO Box 160112
Orlando, FL  32816-0112

**Institution Codes**

GRE: 5233
GMAT: RZT-HT-58
TOEFL: 5233
ETS PPI: 5233

# Graduate Fellowships

**Grad Fellowships**
Telephone: 407-823-0127
gradfellowship@ucf.edu
www.graduate.ucf.edu

# Graduate Financial Aid

**UCF Student Financial Assistance**
Millican Hall 120
Telephone: 407-823-2827
Appointment Line: 407-823-5285
Fax: 407-823-5241
finaid@ucf.edu
http://finaid.ucf.edu

# MEMORANDUM

**TO**:     Graduate College

**FROM**:  David M. Nickerson, Chair

**DATE**:  September 24, 2012

**RE**:     Dual Degree Program with CUEB

The Department of Statistics at UCF and Capital University of Economics and Business (CUEB) in Beijing, China intend to establish a dual degree master's program. Students at CUEB would complete their first year in China in either a Master of Statistics or Master of Applied Statistics program, and they would complete their second year at UCF. Upon completion of the second year they would receive two master's degrees – one from CUEB and one from UCF.

CUEB students would transfer in 15 hours from their home institution and complete 21 hours at UCF. Courses eligible for transfer into the UCF degree program include 6 courses (15hrs total) from the CUEB Master of Statistics or 6 courses (15hrs total) from the CUEB Master of Applied Statistics.

Students would arrive on UCF's campus in May, complete a 3 hour course during the summer, 9 hours during the fall and 9 hours during the spring. They would receive financial support from CUEB in terms a fellowship and would receive an out-of-state tuition waiver for fall and spring terms. During the summer term they would not be enrolled full time and hence would not be eligible for the out-of-state tuition waiver.

**ACADEMIC DUAL DEGREE AGREEMENT**

between the

**UNIVERSITY OF CENTRAL FLORIDA**
Orlando, Florida, U.S.A.

and the

**CAPITAL UNIVERSITY of ECONOMICS and BUSINESS**
Beijing, P.R.C.

The University of Central Florida, Orlando, Florida (hereafter referred to as "UCF"), on behalf of its Board of Trustees, and the Capital University of Economics and Business (hereafter referred to as "**CUEB**"), agree to establish an academic agreement program known as the CUEB-UCF Dual Degree Program. The purpose of this agreement is to provide students at or graduating from **CUEB** the opportunity to pursue graduate education at UCF. Students under this agreement will be able to receive at UCF a Master of Science in Statistical Computing, Data Mining track and at **CUEB** a Master of Applied Statistics or a Master of Science depending on the program into which they are admitted at **CUEB** by completing the academic requirements for each institution for the master's degree, with the option of performing part of their course work at **CUEB** and part at UCF, consistent with both universities academic and accreditation requirements.

The agreement is based on the following stipulations:

**A. General**

1.  A student will be awarded the degree of Master of Science in Statistical Computing, Data Mining track from UCF and a Master of Applied Statistics or a Master of Science from **CUEB** after successful completion of all the requirements stipulated by UCF and CUEB, as listed in Schedule 1.

2.  English will be the language of instruction in all courses offered by UCF. CUEB students must demonstrate proficiency in English by submitting record of a minimum score of 220 in the Test of English as a Foreign Language (TOEFL).

3.  Both UCF and CUEB are free to make reference to the arrangements for this program, and to use the other university's name in conjunction therewith. However, any other use of a university's name, trademark or logo by the other party to this agreement must be approved or denied by the university that owns such name, logo or trademark within thirty (30) working days of such request. If disclosure is required by applicable law or valid court order, nothing shall prevent compliance with such law or court order. Any material or copy intended for publication by one university, which refers in any way to the other university, must be reviewed and approved in writing by the other university in advance of publication. The university officers authorized to approve any such material for publication at each university are listed in Schedule 2, as are those university

officials authorized to approve the use of the university's trademarks/logos by the other university.

**B.     Program Admission**

1.     CUEB Faculty will select candidates for participation in the CUEB-UCF Dual Degree Program based on the following criteria:

a.     A score of 220 or better on the computer-based TOEFL. The selection committee for the particular program at UCF may allow a student with a score below 220 on the TOEFL to participate in the program if the student is considered a strong candidate, but the admission would be conditioned on the student's taking an Intensive English course at UCF.

b.     Either a score of 1000 or better on the combined verbal-quantitative portions of the GRE or a 3.0 GPA or better on a 4.0 scale. More restrictive requirements for a particular program may apply. The score must be received by Graduate Studies when the application is submitted.

2.     The Statistics Selection Committee of the Department of Statistics at UCF will admit students from the group of candidates selected by CUEB based on the following criteria:

a.     Student has proof of a Bachelor's degree from an accredited four-year institution compatible with the requirements of the particular degree and program being sought at UCF;

b.     Student has shown proficiency in English by presenting a score of 220 on the TOEFL exam or by taking an Intensive English course at UCF; and

c.     A GPA of 3.0 or better is recommended for admission to graduate work. CUEB's grade scale is from 1 to 100. For the purposes of this Agreement, a 75 grade at CUEB will be considered equivalent to a B (or 3.0 on a 4.0 scale) grade at UCF.  Applicants must provide a course-by-course credential evaluation with GPA calculation.  Credential evaluations are accepted from World Educational Services (WES) or Josef Silny and Associates, Inc. only.

3.     Program participants who will be coming to UCF must abide by the application deadlines that can be found at (http://www.graduate.ucf.edu/currentGradCatalog/content/AppDeadlines/) and the international student immigration requirements listed at www.intl.ucf.edu.

**C.   Credit Transfer**

Students participating in the UCF-CUEB Dual Degree program will be able to transfer up to 15 credits from graduate courses taken by the student from CUEB before starting at UCF from the specific list of classes designated in the Addendum – List of approved CUEB courses.

1.     In all instances, a majority of the coursework towards the UCF degree will be taken at UCF to comply with accreditation standards.

2. Only courses with grades of B or better can be transferred to the UCF program of study.

3. UCF reserves the right to reject graduate course transfer credits not meeting its academic requirements.

**D. Program coursework**

1. Students must enroll in a specific graduate program and meet all the requirements for graduation listed in the current Graduate Catalog (http://www.graduate.ucf.edu/currentGradCatalog/) for that program.

2. Students selecting thesis or dissertation credits must perform the investigation work at UCF, unless the research itself requires the student to work elsewhere and it is approved by the student's research advisor. Regardless of where the research is conducted, students will be required to enroll continuously in thesis and dissertation hours at UCF throughout the research, until completion of the degree. The thesis or dissertation defense must be conducted in English and physically at UCF.

3. UCF will provide each graduate program participant with a computer account that allows electronic mail and access to the Internet, WebCT, and UCF's Library's online facilities.

**E. Cost and Financial Information**

Tuition rates at UCF are subject to change without notice. The rates for CUEB students will depend on the student's situation, as follows:

1. Full-time graduate students in good standing who receive a stipend paid by their sponsoring institution, foundation or country in an amount equal to or greater than other students in the program and who have their in-state tuition paid by their sponsoring institution, foundation or country or where UCF faculty pay the instate tuition out of contracts & grants (C&G) for each term will receive an out-of-state waiver of tuition from UCF for each term. The financial arrangement must be outlined in Schedule 4.

2. Students who lose their financial support from their sponsoring institution, foundation, or country, or where UCF faculty pay the instate tuition out of contracts & grants (C&G) funding for each term will also lose the out-of-state waiver of tuition by UCF.

**F. Program administration**

1. CUEB will provide UCF with all the appropriate documents related to the student selection process, the awarding of fellowships and courses that have been submitted for transfer to the student's program of study, as applicable.

2. A faculty member in the appropriate academic unit at UCF and a faculty member from CUEB will serve as Program Coordinators and will oversee the execution of the program at UCF and CUEB, respectively.

3. The responsibilities of the Coordinator at UCF are to:

      a.     Interact with the Coordinator at CUEB for the admission of students into this program.

      b.     Serve as UCF's Graduate Advisor of all students under this program.

      c.     Verify that CUEB courses presented for transfer into a student's Program of Study correspond to equivalent UCF courses or can be accepted in the student's selected program.

      d.     If applicable, find a Research Advisor at UCF for each student, in consultation with the student and the faculty from CUEB.

      e.     Keep track of the research projects done by the students under this program.

4.     The responsibilities of the coordinator at CUEB are to:

      a.     Interact with the coordinator at UCF for all aspects of the program.

      b.     Serve as CUEB's graduate advisor of all students under this program.

      c.     Provide documentation on all CUEB courses presented for transfer into a student's Program of Study.

5.     CUEB will collect the tuition for the students for the Intensive English Program (for those with less than 220 TOEFL) and the graduate level course work. CUEB shall collect and pay all fees and tuition to UCF in US dollars, according to the rates and fees established by UCF.

6.     Participants of the program who will be taking courses at the UCF campus will be responsible for their living expenses, as well as the necessary immigration arrangements.

## G.   Faculty

1.     Faculty participation in the program:

      a.     At CUEB's request and previous approval by the corresponding UCF academic unit, faculty members at CUEB may be visiting scholars at UCF and may participate in collaborative research hereunder. UCF shall not be responsible to assist or to pay for any assistance to bring the faculty to the USA or UCF, or to assist or pay for living expenses in the USA. The visiting scholar may participate in the thesis or dissertation committees of CUEB students in this program, consistent with UCF policies. CUEB will pay for the expenses of the visiting scholar. UCF shall not be responsible or obligated in any way to compensate or to pay any expenses of the CUEB visiting scholar. Participation of the visiting scholar in research will provide an opportunity to develop a collaborative research program between the two universities.

      b.     Implementation of the UCF-CUEB program will comply with the export control restrictions, as listed in the US Department of State's International Traffic in Arms Regulations (ITAR) and the US Department of Commerce's Export Administration Regulations (EAR), as applicable.

This agreement will come into effect with the appropriate signatures below, at the date of last signature and shall remain in effect for the period of three years. It may be renewed or amended at any time before the actual expiration date by a written agreement signed by authorized representatives of both parties. This agreement may be terminated by the appropriate authority of either party given twelve months' prior written notice to the other party.

Addendum – List of Approved courses from CUEB
(syllabi are provided in attachment)

| CUEB Course | CUEB Program | Course Description | UCF Equivalent |
|---|---|---|---|
| Probability & Measure Theory | Master of Statistics | This course focuses on the general principles of measure theory which are necessary for the axiomatic system of probability theory with emphasis on concepts and formulas that were not or could not be clearly explained in an elementary course. Topics include measurable space and measurable mapping, measure space, integral, signed measure, product space and sequences of independent random variables. | STA 6326 Theoretical Statistics I |
| Mathematical Statistics | Master of Statistics | This course covers the mathematics of statistics. Topics include random variables and their distributions, method of moments estimation, maximum likelihood estimation, estimation assessment rules, interval estimation, hypothesis testing, and statistical computations. | STA 6327 Theoretical Statistics II |
| Mathematical Statistics and Applications | Master of Applied Statistics | Less mathematically rigorous than the description above plus projects involving practical applications of concepts learned in the classroom. | STA 6327 Theoretical Statistics II |
| Multivariate Statistical Methodology | Master of Statistics | This course introduces the basic theory of classical multivariate analysis, including the multivariate normal distribution, sampling distributions, parameter estimation and hypothesis testing.  It also introduces the principles and applications of common multivariate methods, including the multiple linear model, cluster analysis, discriminant analysis, principal component analysis, factor analysis, canonical correlation analysis, etc. The purpose of this course is to help students understand and master the basic principles and methods of multivariate analysis, know its background in applications and use these methods to solve practical problems. | STA 6707 Multivariate Statistical Methods |
| Multivariate Statistical Methodology and Applications | Master of Applied Statistics | Less mathematically rigorous than the description above plus projects involving practical applications of concepts learned in the classroom. | STA 6707 Multivariate Statistical Methods |

| Stochastic Processes & Time Series Analysis | Master of Statistics | The course gives a comprehensive presentation of stochastic models and methods in time series analysis.  Topics include stationary and non-stationary processes, ARIMA processes, seasonal variation, prediction, filtering and reconstruction in transfer function models and state space models, parameter and structure estimation by least squares, maximum likelihood and predictive error methods, spectral analysis, recursive estimation, adaptive techniques, robustness and outlier detection, multivariate time series, spectral density estimation, non-stationary models, slowly decreasing dependence, transformations, optimal prediction and reconstruction of processes, state representation, principles of orthogonality, and Kalman filtering. | STA 6857 Applied Time Series Analysis |
|---|---|---|---|
| Sampling | Master of Statistics | This course considers sampling principles and sampling techniques, the advantages and disadvantages sampling, types of the sampling, sampling methods, sample size determination, sampling error, market research focused on the objective of the survey, survey design, questionnaire design, sampling design, implementation and control, data processing and analysis, SPSS realization and interpretation of results and report writing. Students are encouraged to investigate, analyze and write high-quality reports and make scientific decisions. | STA 6226 Sampling Theory and Applications (partial credit) |
| Nonparametric Statistics | Master of Statistics | This course covers nonparametric tests, nonparametric density estimation and nonparametric regression including kernel regression, spline regression, and local polynomial regression. This course is primarily concerned with basic theory and applications. | STA 6507 Nonparametric Statistics (partial credit) |
| Nonparametric Statistics and Applications | Master of Applied Statistics | Same description as above plus projects involving practical applications of concepts learned in the classroom. | STA 6507 Nonparametric Statistics |

| Probability Theory and Applications | Master of Applied Statistics | This course focuses on the general principles of measure theory which are necessary for the axiomatic system of probability theory with emphasis on concepts and formulas that were not or could not be clearly explained in an elementary course. Includes projects involving practical applications of concepts learned in the classroom. | STA 6326 Theoretical Statistics I |
|---|---|---|---|
| Time Series and Applications | Master of Applied Statistics | Stationary and non-stationary processes, ARIMA processes, seasonal variation, prediction, filtering and reconstruction in transfer function models and state space models, parameter and structure estimation by least squares, maximum likelihood and predictive error methods. Includes projects involving practical applications of concepts learned in the classroom. | STA 6857 Applied Times Series Analysis |
| Survey Theory and Applications | Master of Applied Statistics | This course considers market research focused on survey objectives, survey design (planning), questionnaire design, sampling design, implementation and control, data processing and analysis, SPSS realization and interpretation of results, and survey report writing. Throughout the course, students are encouraged to investigate, analyze, write high-quality reports, and make scientifically sound decisions. Includes projects involving practical applications of concepts learned in the classroom. | STA 6226 Sampling Theory and Applications |

Addendum – Additional courses from CUEB and description"
'''''''''''''''''''''''''''''''''*pqv'gnki kdrg'hqt''vcpuhgt+

| CUEB Course | Course Description | UCF Equivalent |
|---|---|---|
| Financial Calculations | This course is intended for graduate students majoring in financial mathematics. It has four parts: basic calculation of finance; pricing of stocks; measure of risk; and return of free-risk assets. There are three sections in each part: financial theory, model and procedure. The purpose of this course is to expose students to real events and to have them analyze and solve practical problems. | FIN 6406 Strategic Financial Man. |
| Functions of Real Variables and Functional Analysis | This course considers set, point set, measure theory, measurable functions, integral theory, differential and indefinite integral, metric spaces and Banach spaces, linear functions and linear operators, Hilbert spaces, the fundamental theorem of Banach spaces, and spectrum of a linear operator. | N/A |
| Bayesian Statistics | This course studies the relationships between Bayesian analysis and statistical decision theory, Bayes' theorem, the Bayesian paradigm, posterior and predictive inferences, Bayes estimators and decision rules and their frequency properties, Bayesian marginalization, prior structures, posterior smoothing, and Bayes-stein estimation. | N/A |
| Data Exploration and Applications | This course covers the basic approach to analyzing data sets to summarize their main characteristics in an easy-to-understand form, often with visual graphs, without using a statistical model or having formulated a hypothesis.  Includes projects involving practical applications of concepts learned in the classroom. | N/A |

Schedule 1
Requirements for the UCF and CUEB Degrees

All UCF degrees awarded must have the majority of credit hours taken at UCF, consistent with accreditation standards.

A. The requirements for a Master's degree at UCF are listed in the current Graduate Catalog at http://www.graduate.ucf.edu/currentGradCatalog/.  Particular programs may have their own individual requirements, which may be more restrictive than university requirements.

Requires Courses – 24 Credit Hours
- STA 6326 Theoretical Statistics I (3 credit hours)
- STA 6327 Theoretical Statistics II (3 credit hours)
- STA 5104 Advanced Computer Processing of Statistical Data (3 credit hours)
- STA 6714 Data Preparation (3 credit hours)
- STA 6236 Regression Analysis (3 credit hours)
- STA 6238 Logistic Regression (3 credit hours)
- STA 5703 Data Mining Methodology I (3 credit hours)
- STA 6704 Data Mining Methodology II (3 credit hours)

Restricted Elective Courses – 12 Credit Hours
- COP 4710 Data Base Systems (3 credit hours)
- STA 5205 Experimental Design (3 credit hours)
- STA 5505 Categorical Data Methods (3 credit hours)
- STA 5825 Stochastic Processes and Applied Probability (3 credit hours)
- STA 6106 Statistical Computing I (3 credit hours)
- STA 6226 Sampling Theory and Applications (3 credit hours)
- STA 6237 Nonlinear Regression (3 credit hours)
- STA 6507 Nonparametirc Statistics (3 credit hours)
- STA 6707 Multivariate Statistical Methods (3 credit hours)
- STA 6857 Applied Time Series Analysis (3 credit hours)
- STA 6705 Data Mining III (3 credit hours)
- FIN 6406 Strategic Financial Management (3 credit hours)

B. Sample Plans of Study:

**Master of Statistics**

| Course | Title | CUEB Credit | UCF Credit |
|---|---|---|---|
| | 1<sup>st</sup> Year at CUEB | | |

| Course | Title | CUEB Credit | UCF Credit |
|---|---|---|---|
| N/A | Functions of Real Variables and Functional Analysis | 3 | 0 |
| N/A | Probability & Measure Theory | 3 | 3 |
| N/A | Mathematical Statistics | 3 | 3 |
| N/A | Multivariate Statistical Methodology | 3 | 3 |
| N/A | Stochastic Processes & Times Series Analysis | 3 | 3 |
| N/A | Sampling | 2 | 1.5 |
| N/A | Nonparametric Statistics | 2 | 1.5 |
| N/A | Financial Calculations | 2 | 0 |
| | 2<sup>nd</sup> Year at UCF | | |
| Course | Title | CUEB Credit | UCF Credit |
| STA 5505 | Categorical Data Methods | 3 | 3 |
| STA 5104 | Advanced Computer Processing of Statistical Data | 3 | 3 |
| STA 5703 | Data Mining Methodology I | 3 | 3 |
| STA 6236 | Regression Analysis | 3 | 3 |
| STA 6238 | Logistic Regression | 3 | 3 |
| STA 6704 | Data Mining Methodology II | 3 | 3 |
| STA 6714 | Data Preparation | 3 | 3 |

**Master of Applied Statistics**

| Course | Title | CUEB Credit | UCF Credit |
|---|---|---|---|
| | 1<sup>st</sup> Year at CUEB | | |
| Course | Title | CUEB Credit | UCF Credit |
| N/A | Data Exploration and Applications | 3+1 | 0 |
| N/A | Probability Theory and Applications | 2+1 | 3 |
| N/A | Mathematical Statistics and Applications | 2+1 | 3 |
| N/A | Multivariate Statistical Methodology and Applications | 2+1 | 3 |
| N/A | Times Series and Applications | 2+1 | 3 |
| N/A | Survey Theory and Applications | 2+1 | 1.5 |
| N/A | Nonparametric Statistics and Applications | 2+1 | 1.5 |
| | 2<sup>nd</sup> Year at UCF | | |
| Course | Title | CUEB Credit | UCF Credit |
| STA 5505 | Categorical Data Methods | 3 | 3 |
| STA 5104 | Advanced Computer Processing of Statistical Data | 3 | 3 |
| STA 5703 | Data Mining Methodology I | 3 | 3 |
| STA 6236 | Regression Analysis | 3 | 3 |
| STA 6238 | Logistic Regression | 3 | 3 |
| STA 6704 | Data Mining Methodology II | 3 | 3 |
| STA 6714 | Data Preparation | 3 | 3 |

C. International Collaborative Academic Programs Faculty Roster (see attached form)


Schedule 2
Authorized Persons/Officers

The following persons/officers will be responsible for the arrangements with respect to publications:
1. Vice-Provost and Dean of Graduate Studies
2. Program Coordinator at CUEB
3. Program Coordinator at UCF

The following persons/officers will be responsible for the arrangements regarding the use of UCF's name and trademarks/logos:

1. UCF Associate Vice President of Marketing or his/her delegate.

Schedule 3
Costs Estimates
1. At UCF, a full time graduate student must take at least 9 credit hours per semester in the fall and spring terms and at least six (6) credit hours in the summer. A student may require more time for completing the Intensive English Language course or thesis requirements.

2. UCF's current tuition and fees and other pertinent financial information can be found at http://pegasus.cc.ucf.edu/~irps/character/current_tuition.html.

3. Information about schedules and costs for the intensive English program provided by the Center for Multilingual Multicultural Studies (CMMS) can be found at http://www.cmms.ucf.edu/news.php

4. The estimated living expenses for UCF can be found at http://finaid.ucf.edu/wwwtext/budget01.htm


Schedule 4
Funding for the Program

Currently, the funding for this program will come from a single source. The single source of funding will be CUEB. While attending UCF during the summer, fall and spring semesters CUEB will pay their students $17,000 in the form of a Fellowship and pay UCF for 21 hours of Florida Resident instruction at the graduate level.

# UCF

## International Collaborative Academic Programs Faculty Roster
## Instructions for Reporting the Qualifications of Core Partnering Faculty

### General Instructions for Completing the Faculty Roster Form

1. These instructions apply to the use of the University of Central Florida's International Collaborative Academic Programs Faculty Roster Form. Data collected are used to meet university accreditation requirements as outlined by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC). UCF and SACSCOC expect participating faculty members at the partner institution to possess qualifications comparable to those expected of UCF faculty teaching in the discipline locally.

2. Information requested on the form should be provided for the core faculty members at the applicable partner institution who will participate in the academic collaboration as instructors of record for transferrable courses that the applicable UCF program (major or certificate) expects to award credit.

### Column Instructions

1. *Column One*

Provide the first and last name of the faculty member and indicate the person's employment status at the partner institution as either full- or part-time: (F) or (P). A full-time faculty member is usually defined as one whose major employment is with the institution offering the academic program. If a significantly different definition is used for full-time faculty at the partner institution, please provide that definition.

2. *Column Two*

List all courses offered by the partner institution that the faculty member is qualified to teach as part of the academic collaboration. Indicate if the course is eligible for transfer at the undergraduate or graduate level: (UG) or (G). Where available, provide the course prefix, course number, and course title.

3. *Column Three*

List the faculty member's highest earned academic degree and any other degree(s) that qualify the individual to teach the courses listed in column two. For example, if the master's degree is in the field but doctorate is not, list both. Please indicate the degree concentration or major for each degree reported, as well as the institution that awarded the degree. If necessary to build a case for qualified participating faculty, also list graduate coursework completed in the teaching discipline, e.g., if by UCF standards, the faculty member is qualified by master's degree and 18 graduate semester hours in the discipline.

4. *Column Four*

If necessary to establish adequate teaching qualifications for expected course assignments, list additional relevant qualifications such as pertinent diplomas, licenses, certificates, honors, awards, scholarly publications, papers presented at professional meetings, professional work experience in the field and other demonstrated competencies and achievements that may contribute to effective teaching and student learning outcomes. For the purposes of this roster, a brief summary of demonstrated competencies and achievements should suffice. Examples of typically acceptable statements include "top researcher in the field of X; has published extensively in top journals within the field of X; served as CEO of X corporation for X years". Please be brief but provide essential details for a reviewer to understand the nature of the qualifications.

When work experience or professional involvement is used as support for expected teaching assignments, the evidence provided should show that the person has *at least* five years of related experience with a career indicating upward mobility.

### Supporting Documentation & Review

Please provide current curriculum vitae (CV) or resumes for all core faculty members identified in the roster. The completed roster must then route through the department/school, college, and Academic Affairs (route to Academic Affairs, MH-338) for approvals.

*If additional information is required, Academic Affairs will notify the college.*

### Updating the Roster

The roster and supporting documentation should be reviewed and updated at the time the agreement for the international collaborative academic program is scheduled for review and renewal, or every three years, whichever comes first.

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*Please read the instructions before completing the form.* **Following the dean's approval, please forward the completed roster to the Office of Academic Affairs (MH-338) for final review and approval.**

# International Collaborative Academic Programs Faculty Roster Form
## Qualifications of Core Partnering Faculty

___

### *Partner Institution Information*

| Institution Name: | Capital University of Economics and Business |
|---|---|

| Partnering Unit: | School of Statistics |
|---|---|

| Partnering Academic Program: | Master of Statistics MS<br>Applied Statistics MS |
|---|---|

| Academic Term(s) Included in Roster:<br>*(Project out as far as possible)* | Fall 2012, Spring 2013, Summer 2013, Fall 2013, Spring 2014 |
|---|---|

### *UCF Participating Unit Information*

| College: | Sciences |
|---|---|

| Department/Unit: | Statistics |
|---|---|

| Academic Program: | Statistical Computing MS |
|---|---|

___

**_UCF Reviews and Approval_** *– Please certify that the information available indicates that the teaching qualifications of the core partnering faculty identified below meet UCF standards for teaching in the applicable discipline(s) at the designated level(s) (undergraduate and/or graduate).*

Unit Chair/Director: _____     _____     _____
                                    *Print Name*                                                        *Signature*                                                        *Date*

College Dean: _____     _____     _____
                            *Print Name*                                                        *Signature*                                                        *Date*

Academic Affairs: _____     _____     _____
                                *Print Name*                                                        *Signature*                                                        *Date*

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **Instructor of Record's Name and employment status as (F) full-time or (P) part-time** | **All Transferrable Courses Instructor of Record is Qualified to Teach as Part of the Academic Collaboration. Indicate undergraduate (UG) or graduate (G)** | **Relevant Academic Degrees and Course Credits Earned** | **Other Qualifications** |
| Jing Ruan (F) | Data Processing Using SAS (G) Data Mining Methodology (G) | Ph.D. in Statistics Awarded by Capital University of Economics and Business, China | Associate Professor Deputy Secretary-General, Higher Education Branch, Statistical Education Society of China |
| Tao Ren (F) | Categorical Data Analysis (G) | Ph.D. in Statistics Awarded by Capital University of Economics and Business, China | Associate Professor |
| Daqing Shen (F) | Functions of Real Variables and Functional Analysis (G) | Ph.D. in Mathematics Awarded by FuDan University, China | Professor |
| Tao Chen (F) | Probability & Measure Theory (G) | Ph.D. in Mathematics Awarded by JiLin University, China | Lecturer |
| Liming Liu (F) | Stochastic Processes & Time Series Analysis (G) | Ph.D. in Mathematics Awarded by China Agricultural University | Professor |
| Juan Liu (F) | Multivariate Statistical Methodology (G) | Ph.D. in Statistics Awarded by RenMin University of China | Professor Executive member of the council, Institute of Market Survey and Education, Commerce Statistical Society of China |
| Qiang Liu (F) | Mathematical Statistics (G) | Ph.D. in Mathematics Awarded by Beijing University of Technology, China | Associate Professor |
| Meihong Zhu (F) | Sampling (G) Survey Theory (G) | Ph.D. in Mathematics Awarded by Chinese Academy of Sciences | Associate Professor Member of the council, Institute of Market Survey and Education, Commerce Statistical Society of China |
| Beibei Zhang (F) | Bayesian Statistics (G) | Ph.D. in Statistics Awarded by RenMin University of China | Lecturer |

# UCF International Collaborative Academic Programs Faculty Roster Form
# Qualifications of Core Partnering Faculty

| 1 | 2 | 3 | 4 |
|---|---|---|---|
| **Instructor of Record's Name and employment status as (F) full-time or (P) part-time** | **All Transferrable Courses Instructor of Record is Qualified to Teach as Part of the Academic Collaboration. Indicate undergraduate (UG) or graduate (G)** | **Relevant Academic Degrees and Course Credits Earned** | **Other Qualifications** |
| Liping Ma (F) | Regression Analysis (G) | Ph.D. in Statistics Awarded by Capital University of Economics and Business, China | Professor Vice Dean of School of Statistics |
| Wengying Guo (F) | Actuarial Science (G) Financial Calculations (G) | Ph.D. in Management Awarded by Beihang University, China | Professor |
| Yanbo Pei (F) | Nonparametric Statistics (G) | Ph.D. in Mathematics Awarded by Hong Kong Baptist University, China | Lecturer |
| Qifu Wu (F) | Data Exploration (G) | M.S. in Statistics Awarded by Capital University of Economics and Business, China | Professor Vice Dean of School of Statistics |
| Juan Zhang (F) | Probability Theory (G) | Ph.D. in Mathematics Awarded by Beijing Normal University, China | Lecturer |
| WeiWei Yu (F) | Time Series (G) | Ph.D. in Mathematics Awarded by Beijing Normal University, China | Lecturer |

**Master of Statistics (CUEB) Syllabi**

# 《数理统计学》课程教学大纲

## Syllabus of Mathematical Statistics

开课时间：2012-2013 学年第 2 学期

**Class Time：2nd Semester, 2012-2013**

课程名称：数理统计学

**Course：Mathematical Statistics**

学时： 48 （下午 1：30—4：30，16 周，西校区 3 号楼 3-218）

**Class Hour：48 (1:30pm- 4:30pm, 16 weeks, Classroom 3-218 West Campus)**

学分：3

**Credits：3**

授课教师：刘强副教授

**Instructor: Dr. Qiang Liu**

期末考核方式： 闭卷考试

**Final Assessment：Closed-book Exam**

课程计分方式：100 分（期末考试 70 分，作业 10 分，课程测验 20 分）

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

先修课程：数学分析，高等代数，概率论

**Preparatory Courses：Mathematics Analysis, Advanced Algebra, Probability Theory**

教材和参考书籍：

**Textbooks and References:**

1、茆诗松. 数理统计学. 中国人民大学出版社，2011

Shisong Mao. "Mathematical Statistics", China Renmin University Press, 2011

2、霍格 等. 数理统计学导论（第 7 版）. 机械工业出版社，2012

Robert V. Hogg, Joseoh W. McKean and Allen Craig. "Introduction to Mathematical Statistics (7th edition). " Prentice Hall, 2012

## 一、课程的教学目标

本课程是学科基础课程。通过本课程的学习，使学生较好地掌握数理统计的概念和方法，并熟练掌握数理统计认识问题、解决问题的方法，为进一步学习其他相关课程打下坚实的基础。

## Objective

Mathematical Statistics is the basic course of disciplines. With this Curriculum we

begin a study of basic concepts and some methods of Mathematical Statistics. Firm foundation will be set up and it will be helpful for further studies of the other relevant courses.

## 二、教学基本内容

1、样本与抽样分布

参数空间与分布族，直方图和箱线图，顺序统计量，抽样分布，总体服从正态分布时的几个重要的有关抽样分布的定理。

2、参数估计

点估计，基于截尾样本的最大似然估计，估计量的评选标准，一致最小方差无偏估计量，区间估计，单侧置信区间。

3、假设检验

正态总体均值和方差的假设检验，置信区间与假设检验的关系，样本容量的选取，非正态总体参数的假设检验，分布函数的拟合检验，秩和检验，符号检验，$p$ 值检验法。

4、方差分析与回归分析

单因素方差分析，双因素方差分析，一元线性回归，多元线性回归。

5、bootstrap 方法

非参数 bootstrap 方法，参数 bootstrap 方法。

**Basic Content**

1、Sample and Sampling Distribution

The parameter space and a family of distributions; Histogram and Box plot; Order statistics; Sampling distribution; Some importance sampling distributions with Normal population.

2、Parameter Estimation

Point estimation; Maximum likelihood estimation based on censored sample; Evaluation criteria of estimators; the unbiased minimum variance estimator; Interval estimation; One-sided confidence interval.

3、Tests of Statistical Hypotheses

The test of statistical hypotheses of the mean and the variance with normal population; The relationship of confidence intervals and tests of statistical hypotheses; Selection of sample volume; The test of statistical hypotheses with non-normal population; Goodness of fit test for distribution of population; Rank sum test; Sign test，p-value test.

4、Analysis of Variance and Regression Analysis

One-way analysis of variances and two-way analysis of variances. Single variable linear regression model and multivariate linear regression.

5、Bootstrap Method

Non-parameter bootstrap method and parameter bootstrap method.

# 《多元统计分析》课程教学大纲

## Syllabus of Multivariate Statistical Methodology

开课时间：**2012-2013 学年第 1 学期**

**Class Time：1st Semester, 2012-2013**

课程名称：多元统计分析

**Course： Multivariate Statistical Methodology**

学时： **48 （上午 8：00—11：00，16 周，西校区 5 号楼 5-720）**

**Class Hour：48 (8:00am- 11:00am, 16 weeks, Classroom 5-218 West Campus)**

学分：**3**

**Credits：3**

授课教师：刘娟教授

**Instructor: Dr. Juan Liu**

期末考核方式： 闭卷考试

**Final Assessment：Closed-book Exam**

课程计分方式：**100 分（期末考试 70 分，作业 10 分，课程测验 20 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

先修课程：概率论与数理统计，线性代数

**Preparatory Courses：Probability and Statistics, Linear Algebra**

教材和参考书籍：

**Textbooks and References:**

1、张尧庭、方开泰. 多元统计分析引论. 科学出版社，1982

　　Yaoting Zhang， Kaitai Fang. "Introduction to Multivariate Statistical Analysis." Science Press, 1982

2、安德森. 多元统计分析导论. 人民邮电出版社，2010

　　T. W. Anderson. "An Introduction to Multivariate Statistical Analysis." Wiley-Interscience, 2003

## 一、课程的教学目标

　　多元统计是对多元变量进行处理和分析的主要方法。本课程在学生掌握多元统计的基本概念和基本理论的基础上，介绍每种多元分析的基本原理和思路，教会学生能够处理和分析多元数据。本课程达到的教学目标是：深刻理解多元统计分析理论并利用使用工具处理实际多元数据。

## Objective

　　Multivariate statistical methodology is a kind of method used to deal with and

analyze multivariate. This course introduces principles and ideas of each multivariate analysis, based on the understanding of basic concepts and theories in multivariate statistics, which is the feature of the subject. The course can teach students to deal with and analyze multivariate data.

## 二、教学基本内容

本课程的主要内容包括两大部分：一是理论部分有关统计量的分布、多元正态总体的参数估计和假设检验；二是方法部分，包括：多元方差分析、聚类分析、判别分析、主成分分析与因子分析、列联分析与对应分析、典型相关分析、路径分析、结构方程。要求学生掌握每种方法的基本原理、应用前提、统计软件的实现及输出结果的理解和解释，并能给出结论。

**Basic Content**

The content of the course mainly includes two parts: the first part is related theories including distribution of statistics, multivariate normal population parameter estimation and hypothesis testing. The second part is related method including multivariate analysis of variance, cluster analysis, discriminant analysis, principal component analysis and factor analysis, analysis of the column together with correspondence analysis, canonical correlation analysis, path analysis, structural equation. The focus of theoretical part is introduction of calculation method including basic principles, applications premise, implementation of statistical software and understanding and interpretation of output.

# 《非参数统计》课程教学大纲

## Syllabus of Nonparametric Statistics

开课时间：**2012-2013 学年第 2 学期**

**Class Time：2<sup>nd</sup> Semester, 2012-2013**

课程名称：非参数统计

**Course：Nonparametric Statistics**

学时： 36 （下午 1：30—4：30，12 周，西校区 5 号楼 5-603）

**Class Hour：36 (1:30pm- 4:30pm, 12 weeks, Classroom 5-603 West Campus)**

学分：**2**

**Credits：2**

授课教师：裴艳波讲师

**Instructor: Dr. YanBo Pei**

期末考核方式： 闭卷考试

**Final Assessment：Closed-book Exam**

课程计分方式：**100 分**（期末考试 **70 分**，作业 **10 分**，课程测验 **20 分**）

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

先修课程：概率论与数理统计

**Preparatory Courses：Probability and Statistics**

教材和参考书籍：

**Textbooks and References:**

1、L. 沃塞曼. 现代非参数统计. 科学出版社，2008

Larry Wasserman. "All of Nonparametric Statistics." Springer, 2005

2、康诺华. 实用非参数统计（第 3 版）. 人民邮电出版社，2006

W. J. Conover. "Practical Nonparametric Statistics (3rd edition)." Wiley, 1999

## 一、课程的教学目标

本课程主要介绍非参数统计的基本理论与方法，指导学生达到掌握经典和现代非参数统计方法基本理论的目的。

## Objective

This course is about nonparametric statistics especially mainly about the basic theory. Students can master the principles and basic analytic methods after learning this course.

## 二、教学基本内容

包括常用的非参数检验（位置推断、符号检验、游程检验、非参数方差分析等）、非参数密度估计以及非参数回归（含核回归、样条回归、局部多项式回归等）的基本理论和分析方法。

**Basic Content**

Nonparametric test including location inference, sign rank test, run test and nonparametric ANOVA etc. Nonparametric density estimation and nonparametric regression which further includes kernel regression, spline regression, local polynomial regression.

# 《概率论与测度论》课程教学大纲

# Syllabus of Probability & Measure Theory

**开课时间**：2012-2013 学年第 1 学期

**Class Time**：1st Semester, 2012-2013

**课程名称**：概率论与测度论

**Course**：Probability & Measure Theory

**学时**： 48 （上午 8：00—11：00，16 周，西校区 1 号楼 1-104）

**Class Hour**：48 (1:30pm- 4:30pm, 16 weeks, Classroom 1-104 West Campus)

**学分**：3

**Credits**：3

**授课教师**：陈涛讲师

**Instructor: Dr. Tao Chen**

**期末考核方式**： 闭卷考试

**Final Assessment**：Closed-book Exam

**课程计分方式**：100 分（期末考试 70 分，作业 10 分，课程测验 20 分）

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

**先修课程**：数学分析、实变函数和泛函分析

**Preparatory Courses**：Mathematical Analysis, Functions of Real Variable and Functional Analysis

**教材和参考书籍：**

**Textbooks and References:**

1、程士宏. 概率论预与度论基础. 北京：北京大学出版社, 2004

Shihong Cheng. "The Fundamental of Probability and Measure Theory." Peking University Press, 2004

2、别林斯里. 概率与测度（第 3 版）. 世界图书出版公司，2007

Patrick Billingsley . "Probability and Measure (third edition)." Wiley-Interscience, 1995

3、阿什，多朗-戴德. 概率与测度论（第 2 版），人民邮电出版社，2007

Robert B. Ash, Catherine A. Doléans-Dade. "Probability and Measure Theory (2nd edition)." Academic Press, 2000

## 一、课程的教学目标

了解现代概率论的各个分支，特别是随机过程论和金融数学，掌握测度论基本理论并夯实现代概率论的数学基础，为相关统计学基础理论课打下坚实的理论基础。

**Objective**

Understanding the various branch of fields of modern probability research, especially in the fields of stochastic processes and financial mathematics. Proving the student's abilities of mathematic basis to learn further statistical courses.

## 二、教学基本内容

主要授课内容有半环、σ-域、可测函数、测度和概率、可测函数的积分、条件数学期望、符号测度、乘积空间。在授课过程中要求学生掌握的主要定理：单调类定理、测度扩张定理、积分收敛定理、Radon-Nikodym 定理、Fubini 定理、Kolmogorov 相容性定理、Prohorov 定理等。

**Basic Content**

The main contents include concept and theorems of probability and measure theory: semiring, σ-field, measurable functions, measure and probability, the integral of measurable functions, conditional expectation, signed measures, product space. Main theorems are: monotone class theorem, measure extension theorem, integral convergence theorems, Radon-Nikodym Theorem, Fubini Theorem, Kolmogorov Consistency Principle, Prohorov Theorem.

# 《抽样技术》课程教学大纲

## Syllabus of Sampling

**开课时间：2012-2013 学年第 1 学期**

**Class Time：1st Semester, 2012-2013**

**课程名称：抽样技术**

**Course：Sampling**

**学时： 36 （下午 1：30—4：30，12 周，西校区 J 号楼 J-112）**

**Class Hour：36 (1:30pm- 4:30pm, 12 weeks, Classroom J-112 West Campus)**

**学分：2**

**Credits：2**

**授课教师：朱红梅副教授**

**Instructor: Dr. HongMei Zhu**

**期末考核方式： 闭卷考试**

**Final Assessment：Closed-book Exam**

**课程计分方式：100 分（期末考试 70 分，作业 10 分，课程测验 20 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

**先修课程：概率论与数理统计、微积分、统计学**

**Preparatory Courses：Probability and Mathematical Statistics, Calculus, Statistics**

**教材和参考书籍：**

**Textbooks and References:**

1、冯士雍, 倪加勋, 邹国华. 抽样调查理论与方法. 中国统计出版社，1998

　　Shiyong Feng, Jiaxun Ni, Guohua Zou. Sample Survey Theory and Methods. China Statistics Press, 1998

2、Steven K. Thompson. "Sampling." Wiley, 2012

## 一、课程的教学目标

　　抽样调查是从全部调查单位（即统计总体）中随机抽取一部分单位进行调查，并据此推断总体数量特征的一种非全面统计调查方法。通过本课程的教学，使学生能系统正确地了解抽样调查的理论基础，掌握几种基本的抽样方法及估计方法，了解各种方法的应用条件及特点，培养学生初步具有分析不同样本数据的能力，为学生进一步学习相关课程打下良好的基础。

## Objective

　　Sampling is a non-comprehensive sample survey methodology which extracts

part of the investigation unit from all the survey units (i.e. statistical population) in the random, and infers quantities attribute of population according to this. Through learning this course, students can understand the theoretical basis and key concept of sampling survey systematically and correctly, and master some basic methods of sampling and estimation methods. So this can cultivate students with preliminary capacity of analysis different sample data and lay a solid foundation for students to further study relevant courses.

## 二、教学基本内容

本课程主要内容包括抽样调查的基本原理、简单随机抽样、分层抽样、整群抽样、等距抽样等基本抽样方法，简单估计、比估计、回归估计等估计方法，以及多阶抽样、二重抽样及非抽样误差等内容。重点讲授基本的抽样方法和基本的估计方法。对部分难点问题详细讲解，教学方法上以讲授为主，通过例题、讨论等帮助学生加强理解基本概念和方法。

**Basic Content**

This course covers the basic sampling methods such as the basic principles of sampling, simple random sampling, stratified sampling, cluster sampling and interval sampling, also covers some estimation methods such as simple estimates, ratio estimate, regression estimation, and multi-stage sampling, double sampling and non-sampling errors. This course focused on teaching the basic methods of sampling and basic estimation method. So other contents are explained simply and elaborately explained some difficult problems. The main teaching method is lecture which help students strengthen understanding of the basic concepts and methods by example and discussions.

# 《随机过程和时间序列》课程教学大纲

## Syllabus of Stochastic Processes & Times Series Analysis

**开课时间：2012-2013 学年第 2 学期**

**Class Time：2nd Semester, 2012-2013**

**课程名称：随机过程与时间序列**

**Course：Stochastic Processes & Times Series Analysis**

**学时： 48 （上午 8：00—11：00，16 周，西校区 J 号楼 J-102）**

**Class Hour：48 (1:30pm- 4:30pm, 16 weeks, Classroom J-102 West Campus)**

**学分：3**

**Credits：3**

**授课教师：刘黎明教授**

**Instructor: Dr. LiMing Liu**

**期末考核方式： 闭卷考试**

**Final Assessment：Closed-book Exam**

**课程计分方式：100 分（期末考试 70 分，作业 10 分，课程测验 20 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

**先修课程：微积分，概率论，线性代数，概率论和数理统计、回归分析**

**Preparatory Courses：Calculus, Probability Theory, Linear Algebra, Probability and Mathematical Statistics, Regression**

**教材和参考书籍：**

**Textbooks and References:**

1、布莱兹尼阿克，扎斯塔尼阿克. 随机过程基础. 清华大学出版社，2009

    Zdzislaw Brzezniak , Tomasz Zastawniak. "Basic Stochastic Processes." Springer, 2000

2、沙姆韦. 时间序列分析及其应用（第 2 版）. 世界图书出版公司, 2009

    Robert H. Shumway, David S. Stoffer. "Time Series Analysis and Its Applications: With R Examples (2nd edition)." Springer, 2006

## 一、课程的教学目标

    本课程介绍随机过程和时间序列分析的基本理论和几类重要随机过程模型与应用背景，通过本课程的学习，使学生获得随机过程和时间序列的基本知识和基本运算技能，同时培养和训练了学生运用数学方法分析和解决问题的能力，扩展了学生的数学知识，为进一步学习有关专业课程提供必要的数学基础。

**Objective**

This course introduces the basic theory of stochastic processes and time series and some important models and application background. Through this course, students will obtain basic knowledge of stochastic processes and time series and their basic computing skills. Meanwhile, the course will culture and train the ability of students using mathematics analyze and solve problems and expand the mathematical knowledge, as well as provide the necessary mathematical foundation to further learn relevant courses.

## 二、教学基本内容

本课程主要包括时间序列的概念、时间序列的种类、平稳序列与非平稳序列、三种平稳序列的特性、平稳时间序列模型的建立、平稳序列均值和自协方差的估计，平稳序列模型参数的估计等。随机过程的基本概念（随机过程的分布函数、数字特征，复值随机过程，特征函数，多维正态分布），几种重要随机过程（独立过程，独立增量过程，二项过程，正态过程，维纳过程），马尔科夫过程（离散时间的马尔科夫过程定义及转移概率，C-K 方程，马氏链的分布，遍历性与平稳分布，状态分类与分解，马氏链的应用），泊松过程（定义（计数过程）与例子，泊松过程的叠加与分解，时间间隔与等待时间的分布，复合泊松过程，非齐次泊松过程）。

**Basic Content**

The course will cover the concept of time series, time series type, stationary series and non-stationary series, three features of stationary series, modeling stationary time series, the estimation of stationary series mean and auto covariance and the estimation of model parameters of the smooth sequence. Furthermore, this course will discuss the basic concepts of stochastic processes (random process the distribution function, digital features, complex random process, characteristic function , multi-dimensional normal distribution), several important random process (independent process, independent increments process, two processes, normal processes, Wiener process), Markov process (discrete time Markov process definition and the transition probability , CK equation, Markov chain, distribution, ergodicity and stationary distribution, status, classification and decomposition, Markov chain applications), Poisson process (as defined in (counting process) and the example of the superposition and decomposition of Poisson process, the time interval and the waiting time distribution, compound Poisson process, nonhomogeneous Poisson process

**Master of Applied Statistics (CUEB) Syllabi**

# 《数理统计及其应用》课程教学大纲

## Syllabus of Mathematical Statistics and Applications

**开课时间：2012-2013 学年第 1 学期**

**Class Time：1st Semester, 2012-2013**

**课程名称：数理统计及其应用**

**Course：Mathematical Statistics and Applications**

**学时： 48 （上午 8：00—11：00，16 周，西校区 J 号楼 J-106）**

**Class Hour：48 (8:00am- 11:00am, 16 weeks, Classroom J-106 West Campus)**

**学分：2+1**

**Credits：2+1**

**授课教师：刘强副教授**

**Instructor: Dr. Qiang Liu**

**期末考核方式： 闭卷考试**

**Final Assessment：Closed-book Exam**

**课程计分方式：100 分（期末考试 70 分，实践考核：30 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Practical Assessment: 30)**

**先修课程：高等代数，概率论**

**Preparatory Courses：Advanced Algebra, Probability Theory**

**教材和参考书籍：**

**Textbooks and References:**

1、茆诗松. 数理统计学. 中国人民大学出版社，2011

Shisong Mao. "Mathematical Statistics", China Renmin University Press, 2011

2、里斯. 数理统计与数据分析（第 3 版）. 机械工业出版社，2011

John A. Rice. "Mathematical Statistics and Data Analysis (3rd edition)." Duxbury Press, 2006

## 一、课程的教学目标

通过本课程的学习，使学生较好地了解数理统计的概念和方法，并熟悉数理统计认识问题、解决问题的方法，为进一步学习其他相关课程打下坚实的基础。在学习过程中通过到实际企事业单位短期实习，培养实际工作中的统计思维。

## Objective

This course covers a broad range of knowledge, closely links with the practice, and has a wide application. Through the course of teaching practice, on the one hand, requiring students to understand the basic theory of probability theory and basic

calculation method, so as to lay the necessary foundations of subsequent courses; On the other hand, requiring students to apply their basic probability model, theory and methods to solve simple probability questions of real-world application.

## 二、教学基本内容

1、样本与抽样分布及其应用

参数空间与分布族，直方图和箱线图，顺序统计量，抽样分布，总体服从正态分布时的几个重要的有关抽样分布的定理。

2、参数估计及其应用

点估计，基于截尾样本的最大似然估计，估计量的评选标准，一致最小方差无偏估计量，区间估计，单侧置信区间。

3、假设检验及其应用

正态总体均值和方差的假设检验，置信区间与假设检验的关系，样本容量的选取，非正态总体参数的假设检验，分布函数的拟合检验，秩和检验，符号检验，$p$ 值检验法。

4、方差分析与回归分析及其应用

单因素方差分析，双因素方差分析，一元线性回归，多元线性回归。

5、bootstrap 方法及其应用

非参数 bootstrap 方法，参数 bootstrap 方法。

**Basic Content**

1、Sample, Sampling Distribution and Applications

The parameter space and a family of distributions; Histogram and Box plot; Order statistics; Sampling distribution; Some importance sampling distributions with Normal population.

2、Parameter Estimation and Applications

Point estimation; Maximum likelihood estimation based on censored sample; Evaluation criteria of estimators; the unbiased minimum variance estimator; Interval estimation; One-sided confidence interval.

3、Tests of Statistical Hypotheses and Applications

The test of statistical hypotheses of the mean and the variance with normal population; The relationship of confidence intervals and tests of statistical hypotheses; Selection of sample volume; The test of statistical hypotheses with non-normal population; Goodness of fit test for distribution of population; Rank sum test; Sign test，p-value test.

4、Analysis of Variance and Regression Analysis and Applications

One-way analysis of variances and two-way analysis of variances. Single variable linear regression model and multivariate linear regression.

5、Bootstrap Method and Applications

Non-parameter bootstrap method and parameter bootstrap method.

# 《应用多元统计分析》课程教学大纲

## Syllabus of Multivariate Statistical Methodology and Applications

开课时间：2012-2013 学年第 2 学期

Class Time：2$^{nd}$ Semester, 2012-2013

课程名称：应用多元统计分析

Course： Multivariate Statistical Methodology and Applications

学时： 48 （下午 1：30—4：30，16 周，西校区 3 号楼 3-507）

Class Hour：48 (1:30pm- 4:30pm, 16 weeks, Classroom 3-507 West Campus)

学分：2+1

Credits：2+1

授课教师：刘娟教授

Instructor: Dr. Juan Liu

期末考核方式： 闭卷考试

Final Assessment：Closed-book Exam

课程计分方式：100 分（期末考试 70 分，实践考核：30 分）

Score: Scaled from 0 to 100 (Final Exam: 70; Practical Assessment: 30)

先修课程：概率论与数理统计，线性代数

Preparatory Courses：Probability and Statistics, Linear Algebra

教材和参考书籍：

Textbooks and References:

1、张尧庭、方开泰. 多元统计分析引论. 科学出版社，1982

　　Yaoting Zhang， Kaitai Fang. "Introduction to Multivariate Statistical Analysis." Science Press, 1982

2、约翰逊，威克恩. 实用多元统计分析（第 6 版）. 清华大学出版社，2008

　　Richard A. Johnson, Dean W. Wichern. "Applied Multivariate Statistical Analysis (6th Edition)." Prentice Hall, 2007

## 一、课程的教学目标

　　多元统计是对多元变量进行处理和分析的主要方法。本课程在学生了解多元统计的基本概念和基本理论的基础上，介绍每种多元分析的基本原理和思路，教会学生能够处理和分析多元数据。本课程达到的教学目标是：掌握增强学生实际动手解决问题的能力，学会利用统计软件处理实际多元数据。

## Objective

　　Applied multivariate statistical is a kind of method used to deal with and analyze

multivariate. The emphasis of this course is not mathematical theory or the derivation, but to introduce basic principles and ideas of each multivariate analysis, based on the understanding of basic concepts and theories in multivariate statistics, which is the feature of the subject. The course can teach students to deal with and analyze multivariate data.

## 二、教学基本内容

本课程的主要内容包括两大部分：一是理论部分有关统计量的分布、多元正态总体的参数估计和假设检验；二是方法部分，包括：多元方差分析、聚类分析、判别分析、主成分分析与因子分析、列联分析与对应分析、典型相关分析、路径分析、结构方程。其理论部分只需要介绍，不作深入的讲授，而授课的重点在于每一种多元的分析方法，包括：每种方法的基本原理、应用前提、统计软件的实现及输出结果的理解和解释，并能给出结论。

**Basic Content**

The content of the course mainly includes two parts: the first part is related theories including distribution of statistics, multivariate normal population parameter estimation and hypothesis testing. The second part is related method including multivariate analysis of variance, cluster analysis, discriminant analysis, principal component analysis and factor analysis, analysis of the column together with correspondence analysis, canonical correlation analysis, path analysis, structural equation. The focus of theoretical part is introduction of calculation method including basic principles, applications premise, implementation of statistical software and understanding and interpretation of output.

# 《应用非参数统计》课程教学大纲

## Syllabus of Nonparametric Statistics and Applications

**开课时间：2012-2013 学年第 2 学期**

**Class Time：2nd Semester, 2012-2013**

**课程名称：应用非参数统计**

**Course：Nonparametric Statistics and Applications**

**学时： 48 （下午 1：30—4：30，12 周，西校区 1 号楼 1-413）**

**Class Hour：48 (1:30pm- 4:30pm, 12 weeks, Classroom 1-413 West Campus)**

**学分：2+1**

**Credits：2+1**

**授课教师：裴艳波讲师**

**Instructor: Dr. YanBo Pei**

**期末考核方式： 闭卷考试**

**Final Assessment：Closed-book Exam**

**课程计分方式：100 分（期末考试 70 分，作业 10 分，课程测验 20 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Homework: 10; Quiz: 20)**

**先修课程：概率论与数理统计**

**Preparatory Courses：Probability and Statistics**

**教材和参考书籍：**

**Textbooks and References:**

1、L. 沃塞曼. 现代非参数统计. 科学出版社，2008

   Larry Wasserman. "All of Nonparametric Statistics." Springer, 2005

2、康诺华. 实用非参数统计（第 3 版）. 人民邮电出版社，2006

   W. J. Conover. "Practical Nonparametric Statistics (3rd edition)." Wiley, 1999

## 一、课程的教学目标

　　本课程主要介绍非参数统计的基本理论与方法，指导学生达到掌握经典和现代非参数统计方法基本理论的目的，并通过实践和实习活动，培养学生利用非参数方法解决实际问题的能力。

## Objective

　　This course is about nonparametric statistics especially mainly about the basic theory. Students can master the principles and basic analytic methods after learning this course. And this course also cultivates students' ability of nonparametric statistical modeling.

## 二、教学基本内容

包括常用的非参数检验（位置推断、符号检验、游程检验、非参数方差分析等）、非参数密度估计以及非参数回归（含核回归、样条回归、局部多项式回归等）的基本理论和分析方法及其在统计分析软件中的实现。

**Basic Content**

Nonparametric test including location inference, sign rank test, run test and nonparametric ANOVA etc. Nonparametric density estimation and nonparametric regression which further includes kernel regression, spline regression, local polynomial regression. This course will also introduce corresponding nonparametric methodology applied in the popular softwares.

# 《概率论及其应用》课程教学大纲

## Syllabus of Probability Theory and Applications

**开课时间**：2012-2013 学年第 1 学期

**Class Time**：1st Semester, 2012-2013

**课程名称**：概率论及其应用

**Course**：Probability Theory and Applications

**学时**： 48 （上午 8：00—11：00，16 周，西校区 5 号楼 5-326）

**Class Hour**：48 (8:00am- 11:00am, 16 weeks, Classroom 5-326 West Campus)

**学分**：2+1

**Credits**：2+1

**授课教师**：张娟讲师

**Instructor: Dr. Juan Zhang**

**期末考核方式**： 闭卷考试

**Final Assessment**：Closed-book Exam

**课程计分方式**：100 分（期末考试 70 分，实践考核：30 分）

**Score: Scaled from 0 to 100 (Final Exam: 70; Practical Assessment: 30)**

**先修课程**：高等数学、高等代数

**Preparatory Courses**：Advanced Mathematics , Advanced Algebra

**教材和参考书籍**：

**Textbooks and References:**

1、何书元. 概率论. 北京大学出版社，2006

　　Shuyuan He. "Probability Theory." Peking University Press, 2006

2、德格鲁特，舍维什. 概率统计（第 4 版）. 机械工业出版社，2012

　　Morris H. DeGroot, Mark J. Schervish. "Probability and Statistics (4th edition)."
Addison Wesley, 2011

## 一、课程的教学目标

　　通过本课程的教学实践，一方面要求学生理解概率论的基本理论和基本计算方法，为后续课程的学习打下必要的基础；另一方面要求学生能够运用基本的概率模型、理论和方法解决实际应用中的概率问题。

## Objective

　　Through the course of teaching practice, on the one hand, requiring students to understand the basic theory of probability theory and basic calculation method, so as to lay the necessary foundations of subsequent courses；On the other hand, requiring

students to apply their basic probability model, theory and methods to solve simple probability questions of　real-world application.

## 二、教学基本内容

在本课程的执行过程中，内容的选取和讲解都考虑到了学生以后的发展，使学生主要掌握随机事件、随机变量的概念；掌握随机变量的分布及数字特征的计算，掌握大数定律及中心极限定理的实际应用等内容。

**Basic Content**

In the course of the execution process, the selection and interpretation of content take the students' future development into account. Making the students largely master the concept of random event and random variables, distributes and calculation, the practical application of the law of large numbers and the Central limit theorem and so on.

# 《调查技术与应用》课程教学大纲

## Syllabus of Survey Theory and Applications

**开课时间：2012-2013 学年第 1 学期**

**Class Time：1st Semester, 2012-2013**

**课程名称：调查技术与应用**

**Course： Survey Theory and Applications**

**学时： 48 （上午 8：00—11：00，16 周，西校区 5 号楼 5-715）**

**Class Hour：48 (8:00am- 11:00am, 16 weeks, Classroom 5-715 West Campus)**

**学分：2+1**

**Credits：2+1**

**授课教师：朱红梅副教授**

**Instructor: Dr. HongMei Zhu**

**期末考核方式： 闭卷考试**

**Final Assessment：Closed-book Exam**

**课程计分方式：100 分（期末考试 70 分，实践考核：30 分）**

**Score: Scaled from 0 to 100 (Final Exam: 70; Practical Assessment: 30)**

**先修课程：统计学**

**Preparatory Courses：Statistics**

**教材和参考书籍：**

**Textbooks and References:**

1、杜子芳. 市场调查. 当代中国出版社，2002

2、Zifang Du. Market Survey. Contemporary China Publishing House, 2002

3、Pamela L. Alreck, Robert B. Settle. "The Survey Research Handbook (3rd edition)." McGraw-Hill, 2003

## 一、课程的教学目标

在现代社会中，调查是准确及时地捕捉有用信息的基本工具，特别是利用计算机辅助电话调查系统进行调查是现代调查中最常用的方法之一。本课程的主要目标是使学生在掌握一般抽样理论基础上，能够理论联系实际，熟悉科学的计算机辅助电话调查方法，掌握一定的操作技能。

## Objective

The survey is the basic tools to accurately capture the useful information in a timely manner in modern society. Especially, using of computer-assisted telephone survey systems survey is the most commonly modern survey methods.

The main objective of this course is enable students to integrate theory with practice, familiar with the science of computer-assisted telephone survey methods, master operational skills to some degrees based on mastering sampling theory.

## 二、教学基本内容

本课程主要内容包括抽样调查的基本原理、简单随机抽样、分层抽样、整群抽样、等距抽样等基本抽样方法，简单估计、比估计、回归估计等估计方法，以及多阶抽样、二重抽样及非抽样误差等内容。此外，计算机辅助电话调查系统，主要内容包括：方案设计的方法和技术；问卷设计理论、方法与技巧；计算机辅助电话调查的使用方法等内容在实践课程中予以重点讲解。

**Basic Content**

The main contents include: the basic principles of sampling, simple random sampling, stratified sampling, cluster sampling and interval sampling, also covers some estimation methods such as simple estimates, ratio estimate, regression estimation, and multi-stage sampling, double sampling and non-sampling errors. And applied contents include: design methods and techniques; the theory, methods and techniques of questionnaire design; the methods of using computer-assisted telephone (CATI) survey.

# 《应用时间序列分析》课程教学大纲

## Syllabus of Times Series and Applications

开课时间：2012-2013 学年第 2 学期

**Class Time：2$^{nd}$ Semester, 2012-2013**

课程名称：应用时间序列分析

**Course： Times Series and Applications**

学时： 48 （下午 1：30—4：30，16 周，西校区 3 号楼 3-622）

**Class Hour：48 (1:30pm- 4:30pm, 16 weeks, Classroom 3-622 West Campus)**

学分：2+1

**Credits：2+1**

授课教师：于威威讲师

**Instructor: Dr. WeiWei Yu**

期末考核方式： 闭卷考试

**Final Assessment：Closed-book Exam**

课程计分方式：100 分（期末考试 70 分，实践考核：30 分）

**Score: Scaled from 0 to 100 (Final Exam: 70; Practical Assessment: 30)**

先修课程：概率论与数理统计，线性代数

**Preparatory Courses：Probability and Statistics, Linear Algebra**

教材和参考书籍：

**Textbooks and References:**

1、何书元. 应用时间序列分析. 北京大学出版社，2003

    Shuyuan He. Application Time Series Analysis. Peking University Press, 2003

2、沙姆韦. 时间序列分析及其应用（第 2 版）. 世界图书出版公司, 2009

    Robert H. Shumway, David S. Stoffer. "Time Series Analysis and Its Applications: With R Examples (2nd edition)." Springer, 2006

## 一、课程的教学目标

    本课程是反映和分析随机过程的数量特征和数量规律的方法论学科，是概率统计学和金融数学专业学生和研究人员必须掌握的认识工具。通过本课程的学习，使学生掌握时间序列的基本概念以及时序的分类，学会对具体时序的分析步骤与建模方法，进而掌握如何判断已建立模型与原来数据的适应性及对未来值的预报。简单为学生介绍谱分析的基本思想，为学生进一步学习有关专业课程作好准备。

**Objective**

This course is a methodology subject which reflects and analysis the number features and Quantity rules of random process. It is a tool which students and researchers majored in probability statistics and financial mathematics must get to know. Through learning this course, students master the basic concepts and the classification of time series, also the analysis steps and modeling method of the specific time series. And then students should master how to decide the adaptability between the built model and the original data and the forecasting of future values. This course will simply introduce students to the basic idea of spectral analysis and prepare students to further learn about the professional courses.

## 二、教学基本内容

课程的主要内容包括时间序列的概念、时间序列的种类、平稳序列与非平稳序列、三种平稳序列的特性、平稳时间序列模型的建立、平稳序列均值和自协方差的估计，平稳序列模型参数的估计等。

**Basic Content**

The main idea of this course includes the concept of time series, time series type, stationary series and non-stationary series, three features of stationary series, modeling stationary time series, the estimation of stationary series mean and auto covariance and the estimation of model parameters of the smooth sequence.

# UNIVERSITY OF CENTRAL FLORIDA
## COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.

PLEASE NOTE: The deadline for new tracks or certificates is **February 1 of each year**. Any proposal for new tracks or certificates received after this date will not be included in the next year's catalog. Revisions to existing programs, tracks, or certificates are **due by March 15**. Any proposals for revisions received after that date will not be included in the next year's catalog. Please include catalog copy (description, curriculum, contact information, application requirements, and application deadlines). For revisions – attach the catalog copy **showing changes** (use Track Changes In Word).

College/Unit(s) Submitting Proposal: **College of Nursing**

Proposed Effective Term/Year: **Fall 2013**

Unit(s) Housing Program: **College of Nursing**

Name of program, track and/or certificate: **MSN Adult/Gerontology Nurse Practitioner**

Brief description of program (this description will show up in the graduate catalog copy): *Do not add complete catalog copy here.*

> The Master of Science in Nursing (MSN) program in the Adult/Gerontology Clinical Nurse Specialist Track prepares nurses with specialty knowledge for advanced practice roles in the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis.
>
> The MSN Adult/Gerontology Clinical Nurse Specialist Track allows students to sit for certification examinations when they have completed the list of courses required. Graduates have the option of applying for the Doctor of Nursing Practice (DNP) or Doctor of Philosophy (PhD) programs upon completion.
>
> International students (F or J visa) are required to enroll in a full-time course load of 9 credit hours during the fall and spring semesters. Only 3 of the 9 credit hours may be taken in a completely online format. For a detailed listing of enrollment requirements for international students, please visit www.intl.ucf.edu. If you have any questions, please consult the International Services Center at 407-823-2337.

DELIVERY - Will program be delivered:  ☐ Face to face   ☐ Completely online   ☑ Mixed delivery

Admissions deadlines: (Please specify if you have a different deadline for the track than for the program?)

**March 15**

Application requirements: (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)

**See attachment**

Program Director(s) and contact information: (name, email, phone, campus address, program website address)

**Susan K. Chase, susan.chase@ucf.edu, 407-823-6274**

**12201 Research Parkway, University Tower, Suite 300**

**www.nursing.ucf.edu**

**Please check one: this action affects a:**    ☐ Program    ☑ Track    ☐ Certificate

**Please check one: this action is a(n):**

☑ Addition. Please proceed to Part A.

☐ Revision. If a revision applies to multiple tracks, please list them here and then proceed to Part A:

_____

☐ Inactivation

☐ Temporary Suspension of Admissions. Give Length of Suspension:

_____

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked Inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

# Signature Page

**RECOMMENDATIONS**

☒ Yes    ☐ No    Department Chair: _Susan K. Class_    Date: _7/14/12_

☐ Yes    ☐ No    College Curriculum Committee Chair: _Susan K. Class_    Date: _7/14/12_

☒ Yes    ☐ No    College Dean: _Jean D_    Date: _9/14/12_

☐ Yes    ☐ No    Chair or GSC: _____    Date: _____

☐ Yes    ☐ No    Dean, College of Graduate Studies: _____    Date: _____

**APPROVAL**

Provost and Executive Vice President: _____    Date: _____

**Distribution: After approval is received from the Provost, distribution will be to:**

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate; University Analysis and Planning Support; College of Graduate Studies

**Part A – For additions or revisions of programs, tracks or certificates**
Brief statement of rationale: (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

Continued recognition of MSN preparation for Adult/Gerontology NP practice by certifying and credentialing associations in nursing has prompted us to request re-opening direct admission to the A/GNP MSN track. Small curriculum revisions include removal of Adult II content with inclusion in the Gerontology course. Adult II level clinical practice course will be maintained. Content for the Women's Health course previously used meet certification requirements more directly than the Gender Related Primary Care course. Total clinical hours are increased by 60.

**For Revisions:**

Brief listing of Program Changes: (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other requirements, please state those changes. **Remember to attach the catalog copy showing changes, using Track Changes in Word.**)

Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?

☐ Yes ☑ No

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

Will students have the option to stay in their existing program, track, or certificate? ☐ Yes ☐ No

**Name Change**

Are you changing the name of an existing program, track, or certificate? ☐ Yes ☑ No

If yes, provide the new name of the program, track, or certificate:

_____

Provide the name of the current program, track, or certificate:

_____

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☐ Yes   ☐ No

_____

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

_____

new CIP:

_____

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

Diane Andrews, PhD, RN
Christopher Blackwell, PhD, ARNP, ANP-BC, CNE
Susan Chase, EdD, ARNP, FNP-BC
Dr. Maureen Covelli, PhD, RN
Loretta Forlaw, PhD, RN, FACHE
Linda Gibson-Young, PhD, RN
Carolyn Hix, DNP, RN, NEA-BC
Mary Lou Sole, PhD, RN, CCNS, FAAN, FCCM
Steven Talbert, PhD, RN
Julee Waldrop, DNP, ARNP, PNP-BC, FNP-BC
Diane Wink, FNP-BC, ARNP, FAANP

**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

No students will be impacted.

**If applicable,** provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

**If an addition,** provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

| | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| Headcount | | | |
| SCHs | | | |

**If an addition,** indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

**Part A - Continued**

**If an addition or there are substantial REVISIONS** to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

| | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| Year 1 | | | | | |
| Year 2 | | | | | |
| Year 3 | | | | | |

Checklist of items to be provided:

☐ Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ Emails showing consultation with other units. (if applicable)

☐ If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.

☐ If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.

Part B – For inactivations or suspensions of programs, tracks, or certificates

Are students currently enrolled in the program?  ☐ Yes  ☐ No

If yes, number of current students:

Please specify the intended time period of inactivation or suspension:

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|-----------|-------------|-------------|-----------|-------------|
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |

Checklist of items to be provided:

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ E-mails showing consultation with other units. (if applicable)

Catalog copy for MSN Adult/Gerontology Nurse Practitioner

# TRACK DESCRIPTION

The Master of Science in Nursing (MSN) program in the Adult/Gerontology Nurse Practitioner Track prepares nurses for advanced primary care practice in the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, and leadership.

The MSN Adult/Gerontology Nurse Practitioner Track allows students to sit for certification examinations when they have completed the list of courses required. Certification authorizes them to function in the advanced role.  Enrolling in the DNP program is an option after completion of the MSN.

# CURRICULUM

## Total Credit Hours Required:

45 Credit Hours Minimum beyond the Bachelor's Degree

The MSN Adult/Gerontology Nurse Practitioner Track requires a minimum of 45 credit hours beyond the baccalaureate degree with 660 clinical practice hours. The part-time plan of study for the MSN can be completed in 8 semesters and the full time plan of study in 5 semesters.

### Required Courses for the MSN—45 Credit Hours

All courses marked by an asterisk (*) are required for the MSN.

### Core Courses—24 Credit Hours

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning Concepts* (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning Lab* (1 clinical credit hour: 60 clinical hours)
- NGR 5141 Pathophysiology Bases for Advanced Nursing Practice* (3 credit hours)
- NGR 5638 Health Promotion* (3 credit hours)
- NGR 5800 Theory for Advanced Nursing Practice* (3 credit hours)
- NGR 5884 Legal and Professional Behavior in Advanced Nursing Practice* (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice* (3 credit hours)
- NGR 6801 Research Methods for Advanced Nursing Practice* (3 credit hours)
- NGR 6813 Evidence-Based Practice* (3 credit hours)

### *Specialty Courses: Adult Gerontology Practitioner—21 Credit Hours*

- NGR 6334 Women's Health for APNs* (2 credit hours)
- NGR 6201 Adult I Primary Care* (3 credit hours)
- NGR 6240L Adult I Primary Care Clinical* (3 credit hours; 180 clinical hours)
- NGR 6202L Adult II Clinical for APNs (2 credit hours; 120 clinical hours)
- NGR 6263 Gerontologic Care for APNs* (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs* (2 credit hours; 120 clinical hours)
- Elective (3 credits)*
- NGR 6248 Advanced Practice Practicum* (3 credit hours; 180 clinical hours)

### Progress to Degree

Students are required to maintain a 3.0 grade point average. Students who receive a grade of below B in any course will be reviewed by the MSN/DNP Admissions, Progression and Graduation Committee for continuation in the program. Grades of below B are not acceptable in the doctoral program in the College of Nursing. Students who do not maintain a 3.0 GPA will be put on probation or dismissed from the program.

### Graduation Requirements

- All course work completed with a minimum grade of "B"
- Clinical performance evaluated at a satisfactory level
- A professional portfolio

# Application Requirements

For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the [Admissions](#) section of the Graduate Catalog. Applicants must [apply online](#). All requested materials must be submitted by the established deadline.

In addition to the [general UCF graduate application requirements](#), applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- BSN degree from an accredited institution.*
- Undergraduate Statistics course.
- Official, competitive GRE score taken within the last five years.
- Licensure as a registered nurse in the State of Florida. (Out of state applicants must be eligible for licensure in Florida and must achieve RN licensure to begin clinical courses.)
- A written essay of no more than 500 words addressing goals for the MSN program and future professional practice as well as clearly reflecting population specialty track preference (i.e. ANP, FNP or CNS).

- *Curriculum vitae* (CV) which reflects prior education, recent clinical accomplishments, any recent scholarly work (publications and presentations), and activities with professional organizations. For recent graduates this can include accomplishments as a student.
- Three professional recommendations describing your ability to be successful in a MSN program. Include at least one clinical reference preferably from an Advanced Practice Nurse and one academic reference preferably from a nursing faculty member from a graduate program evaluating potential for doctoral study.
- An interview with faculty may also be required.
- Applicants applying to this program who have attended a college/university outside the United States must provide a course-by-course credential evaluation with GPA calculation. Credential evaluations are accepted from World Education Services (WES) or Josef Silny and Associates, Inc. only.
- Applicants to this program are strongly encouraged to complete the necessary information requested for the ETS PPI (Personal Potential Index) report that is available during the GRE examination. All official PPI reports must be submitted directly to the UCF College of Graduate Studies (use UCF Institution Code: 5233).

\*For Students with a Bachelor's degree in a discipline other than nursing, please contact the College of Nursing at gradnurse@ucf.edu or 407-823-2744 for additional options.

Before submitting your application, it is recommended that applicants call the College of Nursing Graduate Office (407-823-2744) to speak with a MSN adviser to discuss your goals for graduate study. It is advantageous to discuss the program before writing the required essay because the essay must address your goals for graduate-level preparation for advanced nursing practice. Students are admitted to the program in the fall for the program of study; however, spring admissions are possible for a revised plan of study.

Admission to the program is competitive, based on evaluations of the applicant's abilities, past performance, recommendations and match of UCF programs with the applicant's career goals. The College of Nursing accepts most qualified students.

Students may take classes as a nursing nondegree-seeking, postbaccalaureate student on a space-available basis. Students must designate on their application that they are applying to the College of Nursing in order to facilitate processing of files. Successful completion of postbaccalaureate courses does not guarantee admission to the graduate program. Students may only take nonclinical courses. Prior to applying as a nondegree student, please contact the main nursing advising office for deadlines and nondegree options at gradnurse@ucf.edu.

9/3/12

Student Name: _____ _____     PID:_____     Date: _____

| Curriculum | | | Individual Plan of Study | |
|---|---|---|---|---|
| **Formal Coursework (Gen. Core & Specialization: 45 credit hours)** | | **Credits** | **Semester/Year** | **Course** |
| | | | Fall 1 | NGR 5800Theory for APN (3) |
| **General Core Courses (24)** | | | | NGR 5141 Pathophysiological Bases for ANP (3) |
| | | | | **6 Credits** |
| NGR 5800 | Theory for APN | 3 | Spring 1 | NGR 6172 Pharmacology for Advanced Nursing Practice (3) |
| NGR 5884 | Legal and Professional Behavior in APN | 3 | | NGR 5003 Adv. Hlth Assess. And Diagnostic Reasoning (2) |
| NGR 6801 | Research Methods APN | 3 | | NGR 5003L Adv. Health Assessment Clinical (1) (60 hours) |
| NGR 6813 | Evidence Based Practice | 3 | | **6 Credits** |
| NGR 5141 | Pathophysiological Bases for APN | 3 | Summer 1 | NGR 6801 Research Meth. For Advanced Practice Nursing (3) |
| NGR 6172 | Pharmacology for Advanced Nursing | 3 | | NGR 5638 Health Promotion (3) |
| NGR 5003 | Adv. Health Assessment and Diagnostic Reasoning | 2 | | **6 Credits** |
| | | | Fall 2 | NGR 5884 Legal and Professional Behavior in APN (3) |
| NGR 5003L | Advanced Health Assessment Clinical | 1 | | Elective (3) |
| NGR 5638 | Health Promotion | 3 | | **6 credits** |
| | | | Spring 2 | NGR 6201 Adult I Primary Care I (3) |
| **Specialization (20)** | | | | NGR 6240L Adult I Clinical  (3) (180 clinical hrs) |
| | | | | **6 credits** |
| NGR 6334 | Women's Health for APNs | 2 | | |
| NGR 6263 | Gerontology Care for APNs | 3 | | |
| NGR 6263L | Gerontology Care Clinical | 2 | | |
| NGR 6201 | Adult I Primary Care for APNs | 3 | | |
| NGR 6240L | Adult I Clinical for APNs | 3 | | |
| NGR 6202L | Adult II Primary Care Clinical for APNs | 2 | | |
| NGR 6248 | Advanced Practice Practicum | 3 | | |
| | Elective | 3 | | |
| | Total Required | 45 | | |
| | | | Summer 2 | NGR 6334 Women's Health for APNs (2) |
| | | | | NGR 6202L Adult II Primary Care Clinical for APNs (2) (120 hours) |
| | | | | **4 credits** |
| | | | | |

| | Fall 3 | NGR 6263 Gerontologic Care for APNs (3) |
|---|---|---|
| | | NGR 6263L Gerontologic Care Clinical for NPs (2) (120 clinical hrs) |
| | | **5 credits** |
| | Spring 3 | NGR 6248 Advanced Practice Practicum (3) (180 clinical hrs) |
| | | NGR 6813 Evidence Based Practice * (3) |
| | | **6 credits** |
| | | Total 44 credits 660 clinical hours |

**\*Graduate Policies:**
Independent study can be done ONLY in an exceptional situation and with the permission of the appropriate APG committee. Max. of 12 hours allowed.

Project planning:

Selective planning:

Residency planning:

Comments:

_____

_____

_____

Student Signature:_____

Advisor:_____

CON Associate Dean: S. Chase, 5/27/2010 (electronic signature)

9/3/12

## UNIVERSITY OF CENTRAL FLORIDA
### COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

**This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.**

PLEASE NOTE: The deadline for new tracks or certificates is **February 1 of each year.** Any proposal for new tracks or certificates received after this date will not be included in the next year's catalog. Revisions to existing programs, tracks, or certificates are **due by March 15.** Any proposals for revisions received after that date will not be included in the next year's catalog. Please include catalog copy (description, curriculum, contact information, application requirements, and application deadlines). For revisions – attach the catalog copy **showing changes** (use Track Changes in Word).

College/Unit(s) Submitting Proposal: **College of Nursing**

Proposed Effective Term/Year: **Spring 2013**

Unit(s) Housing Program: **College of Nursing**

Name of program, track and/or certificate: **Post MSN Doctor of Nursing Practice**

Brief description of program (this description will show up in the graduate catalog copy): *Do not add complete catalog copy here.*

> The Doctor of Nursing Practice (DNP) program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of the DNP Project.
>
> International students (F or J visa) are required to enroll in a full-time course load of 9 credit hours during the fall and spring semesters. Only 3 of the 9 credit hours may be taken in a completely online format. For a detailed listing of enrollment requirements for international students, please visit www.intl.ucf.edu. If you have any questions, please consult the International Services Center at 407-823-2337.

DELIVERY - Will program be delivered:  ☐ Face to face  ☑ Completely online  ☐ Mixed delivery

Admissions deadlines: (Please specify if you have a different deadline for the track than for the program?)

**October 1.**

Application requirements: (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)

**See attached**

Program Director(s) and contact information: (name, email, phone, campus address, program website address)

**Susan K. Chase, susan.chase@ucf.edu, 407-823-6274**

**12201 Research Parkway, University Tower, Suite 300**

**www.nursing.ucf.edu**

**Please check one: this action affects a:**  ☐ Program   ☑ Track   ☐ Certificate

**Please check one: this action is a(n):**

☐  Addition. Please proceed to Part A.

☑  Revision. If a revision applies to multiple tracks, please list them here and then proceed to Part A:

_____

☐  Inactivation

☐  Temporary Suspension of Admissions. Give Length of Suspension:

_____

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

# Signature Page

**RECOMMENDATIONS**

☑ Yes ☐ No Department Chair: _~~Aessay K. Clee~~_ Date: _9/14/12_

☐ Yes ☐ No College Curriculum Committee Chair: _~~Aessay K. Clee~~_ Date: _9/14/12_

☑ Yes ☐ No College Dean: _~~Jean Siege Onus~~_ Date: _9/14/12_

☐ Yes ☐ No Chair or GSC: _____ Date: _____

☐ Yes ☐ No Dean, College of Graduate Studies: _____ Date: _____

**APPROVAL**

Provost and Executive Vice President: _____ Date: _____

**Distribution: After approval is received from the Provost, distribution will be to:**

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate; University Analysis and Planning Support; College of Graduate Studies

**Part A – For additions or revisions of programs, tracks or certificates**

**Brief statement of rationale:** (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

> Several years' experience with Post MSN DNP students has shown that we need more clarity and support for the development for the DNP Project. Having specific courses with a cohort model will focus faculty work and keep students on better track for completion. Clarification of how clinical hours are spent for the students of this program who are all certified in advanced practice roles was required. Variable credit for one of the clinical courses reflects that some students come with >700 hours in their MSN program while others have fewer. The accrediting body requires 1000 total hours post BSN so this allows us to individualize student pathways to meet the common goal. Course work changes reflect increased emphasis on systems change and practice improvement. Some courses from the Executive DNP program have been included in this curriculum and will allow enrollment by students in both tracks. Courses will be delivered with On-campus intensives once a semester with the remainder of course work completed online.

**For Revisions:**

**Brief listing of Program Changes:** (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other requirements, please state those changes. **Remember to attach the catalog copy showing changes, using Track Changes In Word.**)

> Total credit hours required has increased upwards from 42 to 43-45
> Required courses credit hours has increased upwards from 24 to 34-36
> DNP Project credit hours has increased from 6 to 9

**Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?**

☐ Yes     ☑ No

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☑ Yes     ☐ No

**Name Change**

**Are you changing the name of an existing program, track, or certificate?** ☐ Yes     ☑ No

If yes, provide the new name of the program, track, or certificate:

_____

Provide the name of the current program, track, or certificate:

_____

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☐ Yes ☐ No

_____

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

_____

new CIP:

_____

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

Diane Andrews,PhD, RN
Christopher Blackwell, PhD, ARNP, ANP-BC, CNE
Susan Chase, EdD, ARNP, FNP-BC
Dr. Maureen Covelli, PhD, RN
Loretta Forlaw, PhD, RN, FACHE
Linda Gibson-Young, PhD, RN
Carolyn Hix, DNP, RN, NEA-BC
Mary Lou Sole, PhD, RN, CCNS, FAAN, FCCM
Steven Talbert, PhD, RN
Julee Waldrop, DNP, ARNP, PNP-BC, FNP-BC
Diane Wink, FNP-BC, ARNP, FAANP

**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

No students will be impacted.

If applicable, provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

If an addition, provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

|  | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| Headcount |  |  |  |
| SCHs |  |  |  |

If an addition, indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

**Part A - Continued**

If an addition or there are substantial REVISIONS to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

|  | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| Year 1 |  |  |  |  |  |
| Year 2 |  |  |  |  |  |
| Year 3 |  |  |  |  |  |

Checklist of Items to be provided:

☐ Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ Emails showing consultation with other units. (if applicable)

☐ If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.

☐ If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.

Part B – For inactivations or suspensions of programs, tracks, or certificates

Are students currently enrolled in the program?  ☐  Yes   ☐  No

If yes, number of current students:

_____

Please specify the intended time period of inactivation or suspension:

_____

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|---|---|---|---|---|
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Checklist of items to be provided:

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ E-mails showing consultation with other units. (if applicable)

# Post MSN DNP Track

# PROGRAM DESCRIPTION

~~The Doctor of Nursing Practice (DNP) program is designed to prepare nurses for leadership roles in specialized areas of advanced nursing practice. This program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of practice including completion of the DNP Project during the capstone clinical residency.~~

The Doctor of Nursing Practice (DNP) program prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of the DNP Project.

The objectives of the DNP program are to prepare graduates to:

- Critically analyze complex clinical situations and practice systems.
- Assume leadership roles in the development of clinical practice models, health policy and standards of care.
- Demonstrate advanced diagnostic reasoning skills and clinical judgment through scholarship and nursing practice.
- Analyze the social, economic, political, epidemiological and other scientific data to improve individual, aggregate and population health.
- Demonstrate information fluency and advanced communication skills to lead quality improvement initiatives to improve patient care and health care systems.
- Design, implement, and evaluate comprehensive care to clients within an area of advanced practice specialization.

**NOTE FOR INTERNATIONAL STUDENTS:  Please contact the College of Nursing at gradnurse@ucf.edu or 407-823-2744 prior to applying to this online program.**

Read More ▼▲

International students (F or J visa) are required to enroll in a full-time course load of 9 credit hours during the fall and spring semesters.  Only 3 of the 9 credit hours may be taken in a completely online format.  For a detailed listing of enrollment requirements for international students, please visit www.intl.ucf.edu.  If you have any questions, please consult the International Services Center at 407-823-2337.

# CURRICULUM

The Doctor of Nursing Practice (DNP) curriculum requires a minimum of 4~~2~~3-45 credit hours beyond the master's degree, including 24 credit hours of core courses, 6 credit hours of Residency, 6 credit hours of electives, and 6 credit hours of a DNP Project.  The total clinical hours (including those hours accrued in MSN degree) will be 1000. The total clinical hours noted in this curriculum are based on an MSN total of 500 hours.  Actual hours may vary depending on a review of MSN program hours accrued on entry into the program. The core courses have been carefully constructed to incorporate the AACN competencies for DNP graduates.

Applicants not holding an appropriate MSN degree as described in the application section may enter the DNP program through one of the three tracks: Adult/Gerontology Clinical Nurse Specialist; Adult/Gerontology Nurse Practitioner; or Family Nurse Practitioner.

## Total Credit Hours Required:
4~~2~~3-45 Credit Hours Minimum beyond the Master's Degree

Students will take course work corresponding to the eight essential competencies delineated by the American Association of Colleges of Nursing (AACN). The competencies address the following:

1. Scientific underpinning for practice
2. Organizational and systems leadership for quality improvement and systems thinking
3. Clinical scholarship and analytical methods for evidence-based practice
4. Information systems/technology and patient care technology for the improvement and transformation of health care
5. Health care policy for advocacy in health care
6. Inter-professional collaboration for improving patient and population health outcomes
7. Clinical prevention and population health for improving the nation's health
8. Advanced nursing practice

## Required Courses— ~~24~~34-36 Credit Hours

The core DNP courses serve to enhance the skill and science base of the graduate and strengthen the focus on evidence-based practice. Safety and efficiency in health care systems is addressed and organizational and policy implications are emphasized within the context of care delivery. An emphasis is placed on evidence-based practice, state-of-the-art interventions and information fluency.

- ~~NGR 6813 Evidence Based Practice (3 credit hours)~~
- NGR 6874 Nursing Environment Management (3 credit hours)
- NGR 7892 Healthcare Systems and Policy (3 credit hours)
- NGR 7673 Epidemiological Principles for APN (3 credit hours)
- NGR 6723 Nursing Leadership and Management (3 credit hours)
- NGR 7065 Advanced Clinical Management for APN (3 credit hours)

- NGR 7748L Advanced Clinical Practice Selective for APN (1-3 credit hours; 60-180 clinical hours)
- NGR 7827 Concepts, Measurement, and Data Management (3 credit hours)
- NGR 7793 Leadership and Economics for APNs (3 credit hours)
- NGR 7820 Innovative Technology (3 credits)
- NGR 6722 Finance (3 credit hours)
- NGR 7779L Program Development and Management (2,1; 60 clinical hours)
- Elective (3 credits)

## Electives—6 Credit Hours

- Electives (6 credit hours)

## DNP Project—69 Credit Hours

The DNP Project is the product of the culminating or comprehensive experience of an independent project that demonstrates application of advanced clinical and evidence-based practice. The DNP Project is guided and evaluated by an academic committee and is derived from the practice immersion experience (residency). It will serve as a foundation for future scholarly practice.

- NGR 7974XXXX DNP Project I (32,1; 60 clinical hours) credit hours; repeated once)
- NGR XXXX DNP Project II (1,2,; 120 clinical hours)
- NGR XXXX DNP Project III (3 credit hours)

The DNP Project is related to advanced nursing practice and benefits a group, population or community rather than an individual patient. It addresses identified needs and builds on an evidence base. Types of DNP projects include but are not limited to:

- Translate research into practice and evaluate outcomes
- Quality improvement (care processes, continuity of care, patient outcomes)
- Implement and evaluate evidence-based practice guidelines
- Analyze policy: develop, implement, evaluate, or revise policy
- Design and use databases to retrieve information for decision making, planning, evaluation
- Conduct financial analyses to compare care models and potential cost savings, etc.
- Design and evaluate new models of care

- Design and evaluate health promotion and disease prevention programs
- Assess integration of technology in care

The theme that links these forms of scholarly experiences is the use of evidence to improve either practice or patient outcomes. Additional examples of DNP projects can be found on the National Organization of Nurse Practitioner Faculty (NONPF) website under Practice Doctorate Resource Center.

### Progress to Degree

Students are required to maintain a 3.0 grade point average. Grades below B are not acceptable in the doctoral program in the College of Nursing. Students who receive a grade of below B in any course are subject to dismissal from the DNP program and will be reviewed by the DNP Admissions, Progression and Graduation Committee for continuation in the program. Students who do not maintain a 3.0 GPA will be put on probation or dismissed from the program.

### Graduation Requirements

- All course work completed with a minimum grade of "B"
- A satisfactory DNP Project
- Clinical performance evaluated at a satisfactory level
- A satisfactory public presentation of the DNP Project
- A professional portfolio

### INDEPENDENT LEARNING

A DNP Project will be completed by all students in the DNP program. A scholarly project, derived from clinical practice, will be developed in depth with faculty supervision.

## Application Requirements

**Applicants not holding an appropriate MSN degree as described in the application requirements listed below may enter the DNP program through one of the three tracks: Adult/Gerontology Clinical Nurse Specialist; Adult/ Gerontology Nurse Practitioner; or Family Nurse Practitioner.**

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- MSN degree in an APN specialty role (ANP, FNP, PNP, CNS) or a post-MSN certificate (ANP, FNP, PNP, CNS) from an accredited institution.
- Official, competitive GRE score taken within the last five years.

- Advanced Registered Nurse Practitioner (ARNP) licensure in the State of Florida required. (Out of state applicants must be eligible for licensure in Florida and must achieve ARNP licensure to begin clinical courses.)
- Certification as an APN or ability to obtain it in the first semester of enrollment are required.
- A personal interview may be required with two members of the College of Nursing Doctoral Committee.
- A written essay of no more than 500 words addressing goals for the DNP program and professional practice addressing advanced nursing practice.
- Resume which reflects prior education, recent clinical accomplishments, any recent scholarly work (publications and presentations), and activities with professional organizations.  For recent graduates this can include accomplishments as a student.
- Three professional recommendations describing your ability to be successful in a DNP program. Include at least one clinical reference preferably from an Advanced Practice Nurse and one academic reference preferably from a nursing faculty member from a graduate program evaluating potential for doctoral study.
- Applicants applying to this program who have attended a college/university outside the United States must provide a course-by-course credential evaluation with GPA calculation. Credential evaluations are accepted from [World Education Services (WES)](#) or [Josef Silny and Associates, Inc.](#) only.
- Applicants to this program are strongly encouraged to complete the necessary information requested for the ETS PPI (Personal Potential Index) report that is available during the GRE examination.  All official PPI reports must be submitted directly to the UCF College of Graduate Studies (use UCF Institution Code: 5233).

Before submitting your application, it is recommended that applicants call the College of Nursing Graduate Office (407-823-2744) to speak with a DNP adviser to discuss your goals for doctoral study. It is advantageous to discuss the program before writing the required essay because the essay must address your goals for doctoral-level preparation for advanced nursing practice. Students are admitted to the program in the summer for the program of study.

Admission to the program is competitive, based on evaluations of the applicant's abilities, past performance, recommendations and match of UCF programs with the applicant's career goals. The College of Nursing accepts the most qualified students.

### Application Deadlines

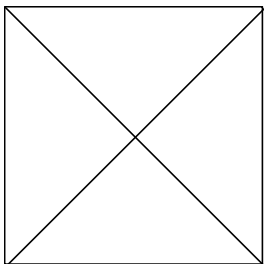| Nursing Practice DNP | Fall Priority | Fall | Spring | Summer |
|---|---|---|---|---|
| Domestic Applicants | - | - | Oct 1 | - |
| International Applicants | - | - | Jul 1 | - |
| International Transfer Applicants | - | - | Sep 1 | - |

# FINANCIALS

Graduate students may receive financial assistance through fellowships, assistantships, tuition support, or loans. For more information, see [Funding for Graduate School](#), which describes the types of financial assistance available at UCF and provides general guidance in planning your graduate finances. The [Financial Information](#) section of the Graduate Catalog is another key resource.

**Fellowships**

Fellowships are awarded based on academic merit to highly qualified students. They are paid to students through the Office of Student Financial Assistance, based on instructions provided by the College of Graduate Studies. Fellowships are given to support a student's graduate study and do not have a work obligation. For more information, see [Fellowships](#), which includes descriptions of UCF fellowships and what you should do to be considered for a fellowship.

## Program Profile

# Program Stats



[View more stats](#)

## Contact Info

**Graduate Program**

**Julee Waldrop PhD**

Associate Professor

[julee.waldrop@ucf.edu](mailto:julee.waldrop@ucf.edu)
Telephone: 407-823-2198
UTWR 454   Map

**Graduate Admissions**

**Admissions Counselor**

gradadmissions@ucf.edu
Telephone: 407-823-2766 ext. 255

Millican Hall 230   [Map]
Online Application
Graduate Admissions

**Mailing Address**

UCF College of Graduate Studies
Millican Hall 230
PO Box 160112
Orlando, FL  32816-0112

**Institution Codes**

GRE: 5233
GMAT: RZT-HT-58
TOEFL: 5233
ETS PPI: 5233

## Graduate Fellowships

**Grad Fellowships**
Telephone: 407-823-0127
gradfellowship@ucf.edu
www.graduate.ucf.edu

## Graduate Financial Aid

**UCF Student Financial Assistance**
Millican Hall 120
Telephone: 407-823-2827
Appointment Line: 407-823-5285
Fax: 407-823-5241
finaid@ucf.edu
http://finaid.ucf.edu

# UCF College of Nursing Post MSN-DNP Program – Clinical Track
## Plan of Study/Part-Time (Spring)

Student Name           PID               Date:

Email           Phone#:

| Doctoral Program Curriculum | Semester | Courses/Credits | |
|---|---|---|---|
| **Formal Coursework: (Foundation, Knowledge Development: 33 hours; Project 9 hours)** | | *Year 1* | |
| | Spring | NGR 7855 Evidence Based Practice Development (2,1) 60 clinical hours | |
| **1) Foundation Areas (6 credits)** | | NGR 6874 Nursing Environment Management (3) | |
| NGR 7673 Epidemiological Principles in Advanced Practice Nursing (3 credits) | | | **6 credits** |
| NGR 7855 Evidence Based Practice Development (2,1) 60 clinical hours | Summer | NGR 7820 Innovative Technology (3) Elective | |
| | | | **6 credits** |
| **2) Knowledge Development (28-30 credits)** | Fall | NGR 7793 Nursing Leadership and Economics for APNs (3) NGR 7673 Epidemiological Principles in Advanced Practice Nursing (3) | |
| NGR 6874 Nursing Environment Management (3 credits) | | | |
| NGR 7892 Healthcare Systems and Policy (3 credits) | | | |
| NGR 7827 Concepts, Measurement, Data Management (3 credits) | | | **6 credits** |
| NGR 7793 Leadership and Economics for APN (3) | | *Year 2* | |
| NGR 7065 Advanced Clinical Management for APNs (3) | Spring | NGR 7827 Concepts, Measurement, Data Management (3) | |
| NGR 7820 Innovative Technology (3) | | NGR 7065 Advance Clinical Management for APN (3) | |
| NGR 6722 Finance (3) | | | **6 credits** |
| NGR 7779L Program Development and Management (2, 1) 60 clinical hours | Summer | NGR 7748L Advanced Clinical Practice Selective for APN (1-3) 60 – 180 clinical hours | |
| NGR 7748L Advanced Clinical Practice Selective for APN (1-3) 60 – 180 clinical hours | | NGR 6722 Finance | |
| Elective (3) | | | **4-6 credits** |
| | Fall | NGR 7779L Program Development and Management (2,1) 60 clinical hours | |
| **3) Project (9 credits)** | | NGR XXXX Doctoral Project I (2,1) 60 clinical hours | |
| NGR XXXX DNP Project 1 (2, 1) 60 clinical hours | | | **6 credits** |
| NGR XXXX DNP Project 2 (1, 2) 120 clinical hours | | *Year 3* | |
| NGR XXXX DNP Project 3 | Spring | NGR XXXX Doctoral Project 2 (1, 2) 120 clinical hours | |
| | | NGR 7892 Healthcare Systems and Policy (3) | |
| | | | **6 credits** |
| **Total Hours: 43-45 (depending on credit taken for 7748L** | Spring | NGR XXXX Doctoral Project (3) | |
| **Clinical Hours 360-480 depending on clinical hours earned in MSN program** | | | **3 credits** |
| | | | |
| | Planning for Residency: | | |

| | ADVISOR: |
|---|---|
| | **\*Independent study can be done in certain situations and with the permission of the faculty advisor. Max. of 12  hours allowed.**<br>**\* Half of POS must be at the 6000-7000 level.** |

Comments: Changes in the POS require advisor approval and can result in extensions of progression and graduation plans.


Student Signature: _____

Advisor Signature: _____

CON Associate Dean Signature: _____

9/10/12

# UNIVERSITY OF CENTRAL FLORIDA
## COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

**This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.**

PLEASE NOTE: The deadline for new tracks or certificates is **February 1 of each year.** Any proposal for new tracks or certificates received after this date will not be included in the next year's catalog. Revisions to existing programs, tracks, or certificates are **due by March 15.** Any proposals for revisions received after that date will not be included in the next year's catalog. Please include catalog copy (description, curriculum, contact information, application requirements, and application deadlines). For revisions – attach the catalog copy <u>showing changes</u> (use Track Changes in Word).

**College/Unit(s) Submitting Proposal:** College of Nursing

**Proposed Effective Term/Year:** Fall 2013

**Unit(s) Housing Program:** College of Nursing

**Name of program, track and/or certificate:** MSN Family Nurse Practitioner

**Brief description of program** (this description will show up in the graduate catalog copy): *Do not add complete catalog copy here.*

> The Master of Science in Nursing (MSN) program in the Family Nurse Practitioner Track prepares nurses for advanced primary care practice in the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, and leadership.
>
> The MSN Family Nurse Practitioner Track allows students to sit for certification examinations when they have completed the list of courses required. Certification authorizes them to function in the advanced role. Enrolling in the DNP program is an option after completion of the MSN. The program can be completed in six semesters as a full-time student or eight semesters as a part-time student.

**DELIVERY - Will program be delivered:** ☐ Face to face ☐ Completely online ☒ Mixed delivery

**Admissions deadlines:** (Please specify if you have a different deadline for the track than for the program?)

March 15

**Application requirements:** (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)

See attachment

**Program Director(s) and contact information:** (name, email, phone, campus address, program website address)

Susan K. Chase, susan.chase@ucf.edu, 407-823-6274

12201 Research Parkway, University Tower, Suite 300

www.nursing.ucf.edu

**Please check one: this action affects a:**  ☐ Program   ☑ Track   ☐ Certificate

**Please check one: this action is a(n):**

☐  Addition. Please proceed to Part A.

☑  Revision.  If a revision applies to multiple tracks, please list them here and then proceed to Part A:

---

☐  Inactivation

☐  Temporary Suspension of Admissions. Give Length of Suspension:

---

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked Inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

## Signature Page

**RECOMMENDATIONS**

☒ Yes    ☐ No   Department Chair: _~~Aaron K. Class~~_    Date: _9/14/12_

☐ Yes    ☐ No   College Curriculum Committee Chair: _~~Aaron K. Class~~_    Date: _9/14/12_

☒ Yes    ☐ No   College Dean: _~~Jean D. Ferrer~~_    Date: _9/14/12_

☐ Yes    ☐ No   Chair or GSC: _____    Date: _____

☐ Yes    ☐ No   Dean, College of Graduate Studies: _____    Date: _____

**APPROVAL**

Provost and Executive Vice President: _____    Date: _____

**Distribution: After approval is received from the Provost, distribution will be to:**

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate; University Analysis and Planning Support; College of Graduate Studies

**Part A – For additions or revisions of programs, tracks or certificates**

**Brief statement of rationale:** (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

Continued recognition of MSN preparation for FNP practice by certifying and credentialing associations in nursing has prompted us to request re-opening direct admission to the FNP MSN track. Small curriculum revisions include removal of Adult II content with inclusion in the Gerontology course. Content for the Women's Health course previously used meet certification requirements more directly than the Gender Related Primary Care course. Total clinical hours remain the same.

**For Revisions:**

**Brief listing of Program Changes:** (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other requirements, please state those changes. Remember to attach the catalog copy showing changes, using Track Changes In Word.)

Total credit hours revised down from 49 to 46
Speciality courses credit hours revised down from 26 to 22.

**Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?**

☐ Yes ☑ No

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

_____

**Will students have the option to stay in their existing program, track, or certificate?** ☑ Yes ☐ No

**Name Change**

**Are you changing the name of an existing program, track, or certificate?** ☐ Yes ☑ No

If yes, provide the new name of the program, track, or certificate:

_____

Provide the name of the current program, track, or certificate:

_____

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

_____

**Will students have the option to stay in their existing program, track, or certificate?**  ☐ Yes    ☐ No

_____

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

_____

new CIP:

_____

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

```
Diane Andrews, PhD, RN
Christopher Blackwell, PhD, ARNP, ANP-BC, CNE
Susan Chase, EdD, ARNP, FNP-BC
Loretta Forlaw, PhD, RN, FACHE
Linda Gibson-Young, PhD, RN
Carolyn Hix,
Mary Lou Sole, PhD, RN, CCNS, FAAN, FCCM
Steven Talbert, PhD, RN
Julee Waldrop, DNP, ARNP, PNP-BC, FNP-BC
Diane Wink, FNP-BC, ARNP, FAANP
```

**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

No students will be impacted.

**If applicable,** provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

<br><br><br><br><br>

**If an addition,** provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

<br><br><br><br><br>

|  | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| Headcount |  |  |  |
| SCHs |  |  |  |

**If an addition,** indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

<br><br><br><br><br>

**Part A - Continued**

**If an addition or there are substantial REVISIONS** to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

|  | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| Year 1 |  |  |  |  |  |
| Year 2 |  |  |  |  |  |
| Year 3 |  |  |  |  |  |

Checklist of Items to be provided:

☐ Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ Emails showing consultation with other units. (if applicable)

☐ If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.

☐ If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.

Part B -- For inactivations or suspensions of programs, tracks, or certificates

Are students currently enrolled in the program?   ☐ Yes   ☐ No

If yes, number of current students:

_____

Please specify the intended time period of inactivation or suspension:

_____

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|-----------|-------------|-------------|-----------|-------------|
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |

Checklist of items to be provided:

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ E-mails showing consultation with other units. (if applicable)

# MSN FAMILY NURSE PRACTITIONER

# TRACK DESCRIPTION

~~The MSN in Family Nurse Practitioner is acquired as a "master's along the way" leading to the Doctor of Nursing Practice (DNP). Direct entry into this master's degree is not allowed, and therefore students must apply to the DNP in the Family Nurse Practitioner track. The MSN will be awarded after the completion of the required 50 credit hours of master's level courses. Students will then acquire the DNP by completing an additional 21 credit hours of doctoral-level courses, 4 credit hours of a DNP Residency and 6 credit hours of the DNP Project.~~

~~This MSN allows students in the DNP program to sit for certification examinations when they have completed the required master's-level courses. Certification authorizes them to function in the advanced role while they complete the DNP curriculum.~~

~~Upon completion of the entire Family Nurse Practitioner track students have both the MSN and the DNP. The DNP prepares nurses at the highest level of practice for the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, leadership, and organizational analysis; and analysis of the DNP project.~~

The Master of Science in Nursing (MSN) program in the Family Nurse Practitioner Track prepares nurses for advanced primary care practice in the current health care environment based on a strong scientific foundation for practice; flexibility and emphasis on evidence-based practice, and leadership.

The MSN Family Nurse Practitioner Track allows students to sit for certification examinations when they have completed the list of courses required. Certification authorizes them to function in the advanced role.  Enrolling in the DNP program is an option after completion of the MSN. The program can be completed in six semesters as a full-time student or eight semesters as a part-time student.

Read More ▼▲

# CURRICULUM

## Total Credit Hours Required:

4~~9~~6 Credit Hours Minimum beyond the Bachelor's Degree

~~The MSN will be awarded after the completion of the required 50 credit hours of master's level courses.  Students will then complete the DNP by completing an additional 21 credit hours of doctoral-level courses, 4 credit hours of a DNP Residency and 6 credit hours of the DNP Project.~~

All totaled, 1000 practicum hours including those leading to the MSN are required to earn the DNP. The part-time plan of study can be completed in 13 semesters and the full-time plan of study in 10 semesters.

The core courses are designed to enhance the skill and science base of the graduate and strengthen the focus on evidence-based practice. Safety and efficiency in health care systems is addressed and organizational and policy implications are emphasized within the context of care delivery. An emphasis is placed on evidence-based practice, state-of-the-art interventions and information fluency.

The MSN Family Nurse Practitioner Track requires a minimum of 46 credit hours beyond the baccalaureate degree with 720 hours of clinical practicum. The part-time plan of study for the MSN can be completed in 6 semesters and the full time plan of study in 4 semesters.

## Required Courses for the MSN—~~50~~46 Credit Hours

## Required Courses for the MSN—46 Credit Hours

All courses marked by an asterisk (*) are required for the MSN.

## Core Courses—24 Credit Hours

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning Concepts* (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning Lab* (1 clinical credit hour)
- NGR 5141 Pathophysiology Bases for Advanced Nursing Practice* (3 credit hours)
- NGR 5638 Health Promotion* (3 credit hours)
- NGR 5800 Theory for Advanced Nursing Practice* (3 credit hours)
- NGR 5884 Legal and Professional Behavior in Advanced Nursing Practice* (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice* (3 credit hours)
- NGR 6801 Research Methods for Advanced Nursing Practice* (3 credit hours)
- NGR 6813 Evidence-Based Practice* (3 credit hours)

## Specialty Courses: Family Nurse Practitioner—2~~6~~2 Credit Hours

- NGR 6200 Gender Related Primary Care (2 credit hours)
- NGR 6334 Women's Health for APNs* (2 credit hours)
- NGR 6201 Adult I Primary Care* (3 credit hours)
- NGR 6201L Adult I Primary Care Clinical* (~~2~~3 clinical credit hours; 1~~2~~80 ~~practicum~~clinical hours)

- ~~NGR 6202 Adult II Primary Care(3 credit hours)~~
- ~~NGR 6202L Adult II Primary Care Clinical (2 clinical credit hours; 120 practicum hours)~~
- NGR 6263 Gerontologic Care for APNs* (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs* (2 ~~clinical~~ credit hours; 120 ~~practicum~~clinical hours)
- NGR 6305 Pediatric Primary Care* (3 credit hours)
- NGR 6305L Pediatric Primary Care Clinical* (2 ~~clinical~~ credit hours; 120 ~~practicum~~clinical hours)
- NGR 6342L Women's Health for Advanced Practice Nurses Clinical* (1 ~~clinical~~ credit hour; 60 ~~practicum~~clinical hours)
- NGR 6248 Advanced Practice Practicum* (3 credit hours; 180 practicum hours)

# UCF School of Nursing MSN Program
## Family Nurse Practitioner Track Advisement Form –Part-time Fall Admission

Student Name: _____ _____     PID:_____     Date: _____

| Curriculum | | | Individual Plan of Study | |
|---|---|---|---|---|
| **Formal Coursework (Gen. Core & Specialization: 45 credit hours)** | | **Credits** | **Semester/Year** | **Course** |
| | | | Fall 1 | NGR 5800 Theory for APN (3) |
| **General Core Courses (24)** | | | | NGR 5141 Pathophysiological Bases for ANP (3) |
| | | | | **6 Credits** |
| NGR 5800 | Theory for APN | 3 | Spring 1 | NGR 5638 Health Promotion (3) |
| NGR 5884 | Legal and Professional Behavior in APN | 3 | | NGR 6172 Pharmacology for Advanced Nursing Practice (3) |
| NGR 6801 | Research Methods APN | 3 | | **6 Credits** |
| NGR 6813 | Evidence Based Practice | 3 | Summer 1 | NGR 5884 Legal and Professional Behavior in APN (3) |
| NGR 5141 | Pathophysiological Bases for APN | 3 | | **3 Credits** |
| NGR 6172 | Pharmacology for Advanced Nursing | 3 | Fall 2 | NGR 5003 Adv. Hlth Assess. And Diagnostic Reasoning (2) |
| NGR 5003 | Adv. Health Assessment and Diagnostic Reasoning | 2 | | NGR 5003L Adv. Health Assessment Clinical (1) (60 hours) |
| | | | | NGR 6801 Research Meth. For Advanced Practice Nursing (3) |
| NGR 5003L | Advanced Health Assessment Clinical | 1 | | **6 credits** |
| NGR 5638 | Health Promotion | 3 | Spring 2 | NGR 6201 Adult I Prim Care (3) |
| | | | | NGR 6240L Adult I Clinical (3) (180 clinical hrs) |
| **Specialization (22)** | | | | |
| | | | | **6 credits** |
| | | | | |
| NGR 6334 | Women's Health for APNs | 2 | Summer 2 | NGR 6334 Womens's Health for APNs (2) |
| NGR 6263 | Gerontologic Care for APNs | 3 | | NGR 6342L Women's Health for APNs Clinical (1) (60 clinical hrs) |
| NGR 6263L | Gerontologic Care Clinical for NPs | 2 | | |
| NGR 6305 | Pediatric Primary Care | 3 | | |
| NGR 6305L | Pediatric Primary Care Clinical | 2 | | |
| NGR 6342L | Women's Health for APNs Clinical | 1 | | |
| NGR 6201 | Adult I Primary Care for APNs | 3 | | |
| NGR 6240L | Adult I Clinical for APNs | 3 | | |
| NGR 6248 | Advanced Practice Practicum | 3 | | |
| | | | | |
| | Total Required | 46 | | |
| | | | | **3 credits** |
| | | | | |
| | | | Fall 3 | NGR 6263 Gerontologic Care for APNs (3) |
| | | | | NGR 6263L Gerontologic Care Clinical for NPs (2) (120 clinical hrs) |

|  |  |  |
|---|---|---|
|  |  | **5 credits** |
|  | Spring 3 | NGR 6305  Pediatric Primary Care (3) |
|  |  | NGR 6305L Pediatric Primary Care Clinical (2) (120 clinical hrs) |
|  |  | **5 credits** |
|  | Summer 3 | NGR 6248 Advanced Practice Practicum (3) (180 clinical hrs) |
|  |  | **3 credits** |
|  | Fall 4 | NGR 6813 Evidence Based Practice * (3) |
|  |  | **3 credits** |

**Total 46 Credit Hours (720 clinical hours)**


**\*Graduate Policies:**
Independent study can be done ONLY in an exceptional situation and with the permission of the appropriate APG committee. Max. of 12 hours allowed.

Project planning:

Selective planning:

Residency planning:

Comments:

_____

_____

_____


Student Signature:_____

Advisor:_____

CON Associate Dean: S. Chase, 5/27/2010 (electronic signature)


9/3/12

# UCF School of Nursing MSN Program
## Family Nurse Practitioner Track Advisement Form – Full-time Fall Admission

Student Name: _____ _____  PID:_____  Date: _____

| Curriculum | | | Individual Plan of Study | |
|---|---|---|---|---|
| **Formal Coursework (Gen. Core & Specialization: 45 credit hours)** | | **Credits** | **Semester/Year** | **Course** |
| | | | Fall 1 | NGR 5800 Theory for APN (3) |
| **General Core Courses (24)** | | | | NGR 5141 Pathophysiological Bases for ANP (3) |
| | | | | NGR 5003 Adv. Hlth Assess. And Diagnostic Reasoning (2) |
| NGR 5800 | Theory for APN | 3 | | NGR 5003L Adv. Health Assessment Clinical (1) (60 hours) |
| NGR 5884 | Legal and Professional Behavior in APN | 3 | | **9 Credits** |
| NGR 6801 | Research Methods APN | 3 | Spring 1 | NGR 5638 Health Promotion (3) |
| NGR 6813 | Evidence Based Practice | 3 | | NGR 6172 Pharmacology for Advanced Nursing Practice (3) |
| NGR 5141 | Pathophysiological Bases for APN | 3 | | NGR 6201 Adult I Prim Care (3) |
| NGR 6172 | Pharmacology for Advanced Nursing | 3 | | NGR 6240L Adult I Clinical (3) (180 clinical hrs) |
| NGR 5003 | Adv. Health Assessment and Diagnostic Reasoning | 2 | | **12 Credits** |
| | | | Summer 1 | NGR 6801 Research Meth. For Advanced Practice Nursing (3) |
| NGR 5003L | Advanced Health Assessment Clinical | 1 | | NGR 6334 Womens's Health for APNs (2) |
| NGR 5638 | Health Promotion | 3 | | NGR 6342L Women's Health for APNs Clinical (1) (60 clinical hrs) |
| | | | | **6 Credits** |
| **Specialization (22)** | | | Fall 2 | NGR 6263 Gerontologic Care for APNs (3) |
| | | | | NGR 6263L Gerontologic Care Clinical for NPs (2) (120 clinical hrs) |
| NGR 6334 | Women's Health for APNs | 2 | | NGR 5884 Legal and Professional Behavior in APN (3) |
| NGR 6263 | Gerontologic Care for APNs | 3 | | |
| NGR 6263L | Gerontologic Care Clinical for NPs | 2 | | **8 credits** |
| NGR 6305 | Pediatric Primary Care | 3 | Spring 2 | NGR 6305 Pediatric Primary Care (3) |
| NGR 6305L | Pediatric Primary Care Clinical | 2 | | NGR 6305L Pediatric Primary Care Clinical (2) (120 clinical hrs) |
| NGR 6342L | Women's Health for APNs Clinical | 1 | | NGR 6813 Evidence Based Practice * (3) |
| NGR 6201 | Adult I Primary Care for APNs | 3 | | **8 credits** |
| NGR 6240L | Adult I Clinical for APNs | 3 | | |
| NGR 6248 | Advanced Practice Practicum | 3 | Summer 2 | NGR 6248 Advanced Practice Practicum (3) (180 clinical hrs) |
| | Total Required | 46 | | **3 credits** |

**Total 46 Credit Hours (720 clinical hours)**

**\*Graduate Policies:**

Independent study can be done ONLY in an exceptional situation and with the permission of the appropriate APG committee. Max. of 12 hours allowed.

Project planning:

Selective planning:

Residency planning:

Comments:

_____
_____
_____

Student Signature:_____
Advisor:_____
CON Associate Dean: S. Chase, 5/27/2010 (electronic signature)

9/3/12

UNIVERSITY OF CENTRAL FLORIDA
COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

**This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.**

PLEASE NOTE: The deadline for new tracks or certificates is **February 1 of each year.** Any proposal for new tracks or certificates received after this date will not be included in the next year's catalog. Revisions to existing programs, tracks, or certificates are **due by March 15.** Any proposals for revisions received after that date will not be included in the next year's catalog. Please include catalog copy (description, curriculum, contact information, application requirements, and application deadlines). For revisions – attach the catalog copy **showing changes** (use Track Changes in Word).

College/Unit(s) Submitting Proposal: **College of Nursing**

Proposed Effective Term/Year: **Fall 2013**

Unit(s) Housing Program: **College of Nursing**

Name of program, track and/or certificate: **Family Nurse Practitioner Certificate**

Brief description of program (this description will show up in the graduate catalog copy): *Do not add complete catalog copy here.*

The Post-master's Family Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Family Nurse Practitioners. The program is 22 credits hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

DELIVERY - Will program be delivered:　　☐ Face to face　　☐ Completely online　　☒ Mixed delivery

Admissions deadlines: (Please specify if you have a different deadline for the track than for the program?)
**October 1**

Application requirements: (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)
**See attached**

Program Director(s) and contact information: (name, email, phone, campus address, program website address)
**Susan K. Chase, susan.chase@ucf.edu, 407-823-6274**

**12201 Research Parkway, Orlando, FL 32826**

**www.nursing.ucf.edu**

**Please check one: this action affects a:**  ☐ Program  ☑ Track  ☐ Certificate

**Please check one: this action is a(n):**

☐  Addition. Please proceed to Part A.

☑  Revision. If a revision applies to multiple tracks, please list them here and then proceed to Part A:

## Adult/Gerontology Nurse Practitioner Certificate

☐  Inactivation

☐  Temporary Suspension of Admissions. Give Length of Suspension:

---

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

# Signature Page

**RECOMMENDATIONS**

| | | | | | |
|---|---|---|---|---|---|
| ☒ Yes | ☐ No | Department Chair: | _Susan K. Cleese_ | Date: | 9/24/12 |
| ☒ Yes | ☐ No | College Curriculum Committee Chair: | _Diane Andrews_ | Date: | 9/24/2012 |
| ☒ Yes | ☐ No | College Dean: | _Jean Shen_ | Date: | 9/24/12 |
| ☐ Yes | ☐ No | Chair or GSC: | | Date: | |
| ☐ Yes | ☐ No | Dean, College of Graduate Studies: | | Date: | |

**APPROVAL**

Provost and Executive Vice President: _____ Date: _____

Distribution: After approval is received from the Provost, distribution will be to:

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate;
University Analysis and Planning Support; College of Graduate Studies

**Part A – For additions or revisions of programs, tracks or certificates**

**Brief statement of rationale:** (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

We had suspended admission to the Family NP post MSN Certificate Program when we made the Doctor of Nursing Practice the only pathway to the nurse practitioner tracks. We have now decided that this policy results in students registering for a program they are unlikely to complete. Direct admission to the certificate makes more sense. We have also adapted the prerequisite and required course list to make it equivalent to the courses in the MSN nurse practitioner track, also submitted for review.

**For Revisions:**

**Brief listing of Program Changes:** (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other requirements, please state those changes. **Remember to attach the catalog copy showing changes, using Track Changes in Word.**)

Prerequisite remains the same
Required credit hours have decreased from 26 to 22.

**Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?**

☐ Yes  ☑ No

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

**Will students have the option to stay in their existing program, track, or certificate?** ☑ Yes  ☐ No

**Name Change**

**Are you changing the name of an existing program, track, or certificate?** ☐ Yes  ☑ No

If yes, provide the new name of the program, track, or certificate:

_____

Provide the name of the current program, track, or certificate:

_____

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

_____

**Will students have the option to stay in their existing program, track, or certificate?**   ☐ Yes      ☐ No

_____

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

_____

new CIP:

_____

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

Diane Andews, PhD, RN
Christopher Blackwell, PhD, ARNP, ANP-BC
Susan Chase, EdD, ARNP, FNP-BC
Maureen Covell, PhD, RN
Lorella Forlaw, PhD, RN, FACHE
Linda Gibson-Young, PhD, RN
Carolyn Hix, DNP, RN, NEA-BC
Mary Lou Sole, PhD, RN, CCNS, FAAN, FCCM
Steven Talbert, PhD, RN
Julee Waldrop, DNP, ARNP, FNP-BC, FNP-BC
Diane Wink, EdD, FNP-BC, ARNP, FAANP

**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

No impact on students.

**If applicable,** provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

**If an addition,** provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

|  | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| Headcount |  |  |  |
| SCHs |  |  |  |

**If an addition,** indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

**Part A - Continued**

**If an addition or there are substantial REVISIONS** to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

|  | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| Year 1 |  |  |  |  |  |
| Year 2 |  |  |  |  |  |
| Year 3 |  |  |  |  |  |

Checklist of items to be provided:

☐ Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ Emails showing consultation with other units. (if applicable)

☐ If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.

☐ If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.

Part B – For inactivations or suspensions of programs, tracks, or certificates

Are students currently enrolled in the program?   ☐ Yes   ☐ No

If yes, number of current students:

Please specify the intended time period of inactivation or suspension:

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|-----------|-------------|-------------|-----------|-------------|
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |

Checklist of items to be provided:

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ E-mails showing consultation with other units. (if applicable)

# FAMILY NURSE PRACTITIONER CERTIFICATE

# PROGRAM DESCRIPTION

~~The Family Nurse Practitioner Certificate allows students who have already been admitted to the Doctor of Nursing Practice program to sit for certification examinations when they have completed the required courses. Certification authorizes students to function in the advanced practice role while they complete the DNP curriculum. The Certificate is awarded to DNP students who hold an MSN degree but not as a Family Nurse Practitioner.~~

The Post-master's Family Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Family Nurse Practitioners. The program is 22 credits hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

~~Applicants must contact the College of Nursing (gradnurse@ucf.edu or 407-823-2744) prior to applying for this certificate program.~~

# CURRICULUM

## Prerequisites—12 Credit Hours

Students must demonstrate successful completion of the following courses:

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (1 credit hour)
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice (3 credit hours)
- NGR 5638 Health Promotion (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice (3 credit hours)

## Required Courses—26~~2~~ Credit Hours

In addition, students must successfully complete all of the following DNP Family Nurse Practitioner Track courses:

- NGR ~~6200 Gender-Related Primary Care~~6334 Women's Health for APNs (2 credit hours)
- NGR 6201 Adult I Primary Care (3 credit hours)
- NGR 620~~1~~40L Adult I Primary Care Clinical (~~2~~3 credit hours; 1~~2~~80 clinical hours)
- ~~NGR 6202 Adult II Primary Care (3 credit hours)~~

- ~~NGR 6202L Adult II Primary Care Clinical (2 credit hours; 120 clinical hours)~~
- NGR 6263 Gerontologic Care for APNs (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs (2 credit hours; 120 clinical hours)
- NGR 6305 Pediatric Primary Care (3 credit hours)
- NGR 6305L Pediatric Primary Care Clinical (2 credit hours; 120 clinical hours)
- NGR 6342L Women's Health for Advanced Practice Nurses Clinical (1 credit hour; 60 clinical hours)
- NGR 6248 Family Nurse Practitioner/Adult Gerontology Nurse Practitioner Practice Practicum (3 credit hours; 180 clinical hours)

Upon completion of all these courses, students will submit the Graduate Certificate Completion Form in order to be certified to receive the Certificate.

# Application Requirements

~~Admission is open to those who are currently enrolled in the Post-Baccalaureate Adult-Gerontology Clinical Nurse Specialist DNP program. An application to the graduate certificate program and official transcripts must be submitted. Applicants must contact the College of Nursing (gradnurse@ucf.edu or 407-823-2744) prior to applying online.~~

Admission is open to those with MSN Degrees, who but are not licensed as Advanced Registered Nurse Practitioners (ARNPs). For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the Admissions section of the Graduate Catalog. Applicants must apply online. All requested materials must be submitted by the established deadline.

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- BSN and MSN degree from an accredited institution.*
- Undergraduate Statistics course.
- Official, competitive GRE score taken within the last five years.
- Licensure as a registered nurse in the State of Florida. (Out of state applicants must be eligible for licensure in Florida and must achieve RN licensure to begin clinical courses.)
- A written essay of no more than 500 words addressing goals for the Certificate program and future professional practice as well as clearly reflecting population specialty track preference (i.e. ANP, FNP or CNS).
- Curriculum Vitae which reflects prior education, recent clinical accomplishments, any recent scholarly work (publications and presentations), and activities with professional organizations. For recent graduates this can include accomplishments as a student.
- Three professional recommendations describing your ability to be successful in a Nurse Practitioner Certificate program. Include at least one clinical reference preferably from an Advanced Practice Nurse and one academic reference preferably from a nursing faculty member from a graduate program evaluating potential for graduate study.
- An interview with faculty may also be required.

- Applicants to this program are strongly encouraged to complete the necessary information requested for the ETS PPI (Personal Potential Index) report that is available during the GRE examination. All official PPI reports must be submitted directly to the UCF College of Graduate Studies (use UCF Institution Code: 5233).

## Application Deadlines

| Family Nurse Practitioner Certificate | Fall Priority | Fall | Spring | Summer |
|---|---|---|---|---|
| Domestic Applicants | ~~Jan 15~~ | ~~Mar 15~~ Oct 1 | | - |
| International Applicants | ~~Jan 15~~ | ~~Jan 15~~ ~~Jul 1~~ | | - |
| International Transfer Applicants | ~~Jan 15~~ | ~~Mar 1~~ ~~Sept 1~~ | | - |

# Contact Info

## Graduate Program

### Susan Chase EdD

Associate Dean

gradnurse@ucf.edu
Telephone: 407-823-2744
Suite 300

## Graduate Admissions

### Admissions Counselor

gradadmissions@ucf.edu
Telephone: 407-823-2766 ext. 255

Millican Hall 230
Online Application
Graduate Admissions

### Mailing Address

UCF College of Graduate Studies
Millican Hall 230

PO Box 160112
Orlando, FL  32816-0112

**Institution Codes**

GRE: 5233
GMAT: RZT-HT-58
TOEFL: 5233
ETS PPI: 5233

# Family Nurse Practitioner Certificate

# PROGRAM DESCRIPTION

The Post-master's Family Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Family Nurse Practitioners. The program is 22 credits hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

# CURRICULUM

## Prerequisites—12 Credit Hours

Students must demonstrate successful completion of the following courses:

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (1 credit hour)
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice (3 credit hours)
- NGR 5638 Health Promotion (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice (3 credit hours)

## Required Courses—22 Credit Hours

In addition, students must successfully complete all of the following DNP Family Nurse Practitioner Track courses:

- NGR 6334 Women's Health for APNs (2 credit hours)
- NGR 6201 Adult I Primary Care (3 credit hours)
- NGR 6240L Adult I Primary Care Clinical (3 credit hours; 180 clinical hours)
- NGR 6263 Gerontologic Care for APNs (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs (2 credit hours; 120 clinical hours)
- NGR 6305 Pediatric Primary Care (3 credit hours)
- NGR 6305L Pediatric Primary Care Clinical (2 credit hours; 120 clinical hours)
- NGR 6342L Women's Health for Advanced Practice Nurses Clinical (1 credit hour; 60 clinical hours)
- NGR 6248 Family Nurse Practitioner/Adult Gerontology Nurse Practitioner Practice Practicum (3 credit hours; 180 clinical hours)

Upon completion of all these courses, students will submit the Graduate Certificate Completion Form in order to be certified to receive the Certificate.

# Application Requirements

Admission is open to those with MSN Degrees, who but are not licensed as Advanced Registered Nurse Practitioners (ARNPs). For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the Admissions section of the Graduate Catalog. Applicants must apply online. All requested materials must be submitted by the established deadline.

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- BSN and MSN degree from an accredited institution.*
- Undergraduate Statistics course.
- Official, competitive GRE score taken within the last five years.
- Licensure as a registered nurse in the State of Florida. (Out of state applicants must be eligible for licensure in Florida and must achieve RN licensure to begin clinical courses.)
- A written essay of no more than 500 words addressing goals for the Certificate program and future professional practice as well as clearly reflecting population specialty track preference (i.e. ANP, FNP or CNS).
- Curriculum Vitae which reflects prior education, recent clinical accomplishments, any recent scholarly work (publications and presentations), and activities with professional organizations. For recent graduates this can include accomplishments as a student.
- Three professional recommendations describing your ability to be successful in a Nurse Practitioner Certificate program. Include at least one clinical reference preferably from an Advanced Practice Nurse and one academic reference preferably from a nursing faculty member from a graduate program evaluating potential for graduate study.
- An interview with faculty may also be required.
- Applicants to this program are strongly encouraged to complete the necessary information requested for the ETS PPI (Personal Potential Index) report that is available during the GRE examination. All official PPI reports must be submitted directly to the UCF College of Graduate Studies (use UCF Institution Code: 5233).

## Application Deadlines

**Family Nurse Practitioner Certificate Fall Priority Fall Spring Summer**

| | Priority Fall | Spring Summer |
|---|---|---|
| Domestic Applicants | Oct 1 | - |
| International Applicants | | - |
| International Transfer Applicants | | - |

**UNIVERSITY OF CENTRAL FLORIDA**
COLLEGE OF GRADUATE STUDIES

# Program Recommendation Form

This form is to be used to revise, add, suspend, or delete degree programs, tracks, or certificate programs. If there are changes to a program and the changes will affect the program tracks also, one form may be used for this type of change.

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College/Unit(s) Submitting Proposal: **College of Nursing**

Proposed Effective Term/Year: **Fall 2013**

Unit(s) Housing Program: **College of Nursing**

Name of program, track and/or certificate: **Adult/Gerontology Nurse Practitioner Certificate**

Brief description of program (this description will show up in the graduate catalog copy): *Do not add complete catalog copy here.*

The Post-master's Adult/Gerontology Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Adult/Gerontology Nurse Practitioners. The program is credit hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

DELIVERY - Will program be delivered: ☐ Face to face    ☐ Completely online    ☑ Mixed delivery

Admissions deadlines: (Please specify if you have a different deadline for the track than for the program?)

October 1.

Application requirements: (Please specify if you have different application requirements for the track than for the program? Will you admit directly to the track?)

See attached.

Program Director(s) and contact information: (name, email, phone, campus address, program website address)

Susan K. Chase, susan.chase@ucf.edu, 407-823-6274

12201 Research Parkway, Orlando, FL 32826

www.nursing.ucf.edu

**Please check one: this action affects a:** ☐ Program  ☑ Track  ☐ Certificate

**Please check one: this action is a(n):**

☐ Addition. Please proceed to Part A.

☑ Revision. If a revision applies to multiple tracks, please list them here and then proceed to Part A:

## Family Nurse Practitioner Certificate

☐ Inactivation

☐ Temporary Suspension of Admissions. Give Length of Suspension:

**Temporary suspension of admissions:** The program will be removed from the online application. A notation will be entered in the graduate catalog indicating the length of the suspension of admissions. Currently enrolled students will not experience any issues with continued enrollment.

**Inactivation:** Admissions will be suspended for new students and the program will be removed from the online application. Students active in the program are eligible to complete the program under the appropriate criteria and an appropriate teach-out plan is required. The program will be removed from the catalog as of the approved term.

**If you checked inactivation or you are temporarily suspending admissions, please go to Part B and complete it.**

## Signature Page

**RECOMMENDATIONS**

☒ Yes    ☐ No    Department Chair: _Theresa K. Close_     Date: _9/24/12_

☐ Yes    ☐ No    College Curriculum Committee Chair: _Diane Andrews_    Date: _9/24/2012_

☒ Yes    ☐ No    College Dean: _Jean Bleich_     Date: _9/24/12_

☐ Yes    ☐ No    Chair or GSC: _____ Date: _____

☐ Yes    ☐ No    Dean, College of Graduate Studies: _____ Date: _____

**APPROVAL**

Provost and Executive Vice President: _____ Date: _____

**Distribution: After approval is received from the Provost, distribution will be to:**

Department(s); College; Registrar; Associate Registrar; Institutional Research; Academic Services; Faculty Senate; University Analysis and Planning Support; College of Graduate Studies

**Part A – For <u>additions or revisions</u> of programs, tracks or certificates**

**Brief statement of rationale:** (Please indicate the rationale, how it affects the unit and faculty teaching in and students enrolled in the program, track or certificate.)

We had suspended admission to the Adult-Gerontology post MSN Certificate Program when we made the Doctor of Nursing Practice the only pathway to the nurse practitioner tracks. We have now decided that this policy results in students registering for a program they are unlikely to complete. Direct admission to the certificate makes more sense. We have also adapted the prerequisite and required course list to make it equivalent to the courses in the MSN nurse practitioner track, also submitted for review.

**For Revisions:**

**Brief listing of Program Changes:** (Please indicate the changes in bullet format. If there are changes to the credit hours of the program, required courses or other requirements, please state those changes. **Remember to attach the catalog copy showing changes, using Track Changes in Word.**)

Prerequisite credit hours remain the same
Required credit hours has decreased from 21 to 18.

**Will students be moved from an existing program, track, or certificate into this new program, track, or certificate?**

☐ Yes   ☑ No

If yes, state the name of the program or track where students are currently enrolled and provide a list of students if possible:

**Will students have the option to stay in their existing program, track, or certificate?** ☑ Yes   ☐ No

**Name Change**

Are you changing the name of an existing program, track, or certificate? ☐ Yes   ☑ No

If yes, provide the new name of the program, track, or certificate:

Provide the name of the current program, track, or certificate:

**When is the name change effective?** Please note: A name change will apply to the record of all students who are currently enrolled, readmitted or newly admitted into this program as of the effective date of this change.

**Will students have the option to stay in their existing program, track, or certificate?** ☐ Yes   ☐ No

**If you are requesting a CIP Code change for an existing program, track, or certificate, please provide:**

old CIP:

new CIP:

**If a name change is your only revision, stop here. Otherwise, complete the rest of Part A.**

**Part A - Continued**

**Specify the faculty who will participate in the program, track or certificate and their credentials to do so:** (List faculty and a brief paragraph of their credentials.)

Diane Andews, PhD, RN
Christopher Blackwell, PhD, ARNP, ANP-BC
Susan Chase, EdD, ARNP, FNP-BC
Maureen Covelli, PhD, RN
Loretta Forlaw, PhD, RN, FACHE
Linda Gibson-Young, PhD, RN
Carolyn Hix, DNP, RN, NEA-BC
Mary Lou Sole, PhD, RN, CCNS, FAAN, FCCM
Steven Talbert, PhD, RN
Julee Waldrop, DNP, ARNP, PNP-BC, FNP-BC
Diane Wink, EdD, FNP-BC, ARNP, FAANP

**Impact of changes on students:** Will current students be impacted by the addition or revision of a program, track or certificate? If so, how?

No impact on students.

**If applicable,** provide a written agreement (email is fine) from all involved units that they are in support of, will provide courses to, or will participate in the program, track, or certificate. Please attach the correspondence and also list the units here.

**If an addition,** provide a statement of who is likely to enroll and why. Please state if there is licensure or certification that depends upon this education, etc. Also, complete the following table.

|  | Year 1 | Year 2 | Year 3 |
|---|---|---|---|
| Headcount |  |  |  |
| SCHs |  |  |  |

**If an addition,** indicate likely career or student outcomes upon completion: (What will students do? What will their job titles be?)

**Part A - Continued**

**If an addition or there are substantial REVISIONS** to existing tracks or certificates, please complete the following table on financial support: (Specify all forms of support – assistantships, fellowships, and tuition remission.)

|  | No. assistantship students | Source of funds | No. fellowship students (specify fellowship) | No. tuition remissions | Source of funds |
|---|---|---|---|---|---|
| Year 1 |  |  |  |  |  |
| Year 2 |  |  |  |  |  |
| Year 3 |  |  |  |  |  |

Checklist of items to be provided:

☐ Electronic graduate catalog copy for additions; track changes included if there are revisions. (required)

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ Emails showing consultation with other units. (if applicable)

☐ If an addition, list of 1-3 students and 1-3 faculty for profiles in the graduate catalog (provide email address so Graduate Studies can contact them to write profiles and take photos). You may provide draft copy of profiles if you wish.

☐ If an addition, what disciplines does this program, track or certificate belong to? What other UCF graduate programs, tracks, or certificates are related to it? This information will be used to provide additional links for prospective students to search in the online graduate catalog.

Part B – For inactivations or suspensions of programs, tracks, or certificates

Are students currently enrolled in the program?  ☐ Yes  ☐ No

If yes, number of current students:

**Please specify the intended time period of inactivation or suspension:**

If program, track, or certificate is being inactivated or suspended, then attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if moving to another program. The "teach out" plan should specify when courses will be offered to enable students to finish. Specify whether students will remain in the existing program to finish, and if so, when the completion date will be, whether students will be moved to another program, etc. Please provide a list of students where applicable.

Sample teach out plan: Enter the terms and courses that will be taught for each term throughout the last semester. **Please delete course prefixes and numbers in this section if no teach out plan is required.**

| Fall 2010 | Spring 2011 | Summer 2011 | Fall 2011 | Spring 2012 |
|-----------|-------------|-------------|-----------|-------------|
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |
|           |             |             |           |             |

Checklist of items to be provided:

☐ Attach all appropriate course action requests that will be necessary to implement the changes. (required)

☐ E-mails showing consultation with other units. (if applicable)

# Adult/Gero NP Certificate

# PROGRAM DESCRIPTION

The Adult-Gerontology Nurse Practitioner Certificate allows students who have already been admitted to the Doctor of Nursing Practice program to sit for certification examinations when they have completed the required courses. Certification authorizes students to function in the advanced practice role while they complete the DNP curriculum. The Certificate is awarded to DNP students who hold an MSN degree but not as an Adult-Gerontology Nurse Practitioner.

The Post-master's Adult/Gerontology Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Adult/Gerontology Nurse Practitioners. The program is credit hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

Applicants must contact the College of Nursing (gradnurse@ucf.edu or 407-823-2744) prior to applying for this certificate program.

# CURRICULUM

### Prerequisites—12 Credit Hours

Students must demonstrate successful completion of the following courses:

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (1 credit hour)
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice (3 credit hours)
- NGR 5638 Health Promotion (3 credit hours)

### Required Courses—2118 Credit Hours

In addition, students must successfully complete all of the following DNP Adult-Gerontology Nurse Practitioner Track courses:

- NGR 62006334 Gender Related Primary CareWomen's Health for APNs (2 credit hours)
- NGR 6342L Women's Health Clinical for APNs (1 credit hour, 60 clinical hours)
- NGR 624001 Adult I Primary Care (3 credit hours)
- NGR 6240L Adult I Primary Care Clinical (23 credit hours, 120 clinical hours)
- NGR 6263 Gerontologic Care for APNs (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs (2 credit hours, 120 clinical hours)
- NGR 6242 Adult II Primary Care (3 credit hours)
- NGR 624202L Adult IINP Primary Care Clinical (2 credit hours, 120 clinical hours)

- NGR 6248 Family Nurse Practitioner/Adult Gero Nurse Practitioner Practice Practicum (3 credit hours, 180 clinical hours)

Upon completion of all these courses, students will submit the Graduate Certificate Completion Form in order to be certified to receive the Certificate.

# Application Requirements

Admission is open to those who are currently enrolled in the Post-Baccalaureate Adult-Gerontology Clinical Nurse Specialist DNP program. An application to the graduate certificate program and official transcripts must be submitted. Applicants must contact the College of Nursing (gradnurse@ucf.edu or 407-823-2744) prior to applying online.

Admission is open to those with MSN Degrees, but who are not licensed as Advanced Registered Nurse Practitioners (ARNPs). For information on general UCF graduate admissions requirements that apply to all prospective students, please visit the Admissions section of the Graduate Catalog. Applicants must apply online. All requested materials must be submitted by the established deadline.

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
- BSN and MSN degree from an accredited institution.*
- Undergraduate Statistics course.
- Official, competitive GRE score taken within the last five years.
- Licensure as a registered nurse in the State of Florida. (Out of state applicants must be eligible for licensure in Florida and must achieve RN licensure to begin clinical courses.)
- A written essay of no more than 500 words addressing goals for the certificate program and future professional practice as well as clearly reflecting population specialty track preference (i.e. ANP, FNP or CNS).
- Curriculum Vitae which reflects prior education, recent clinical accomplishments, any recent scholarly work (publications and presentations), and activities with professional organizations. For recent graduates this can include accomplishments as a student.
- Three professional recommendations describing your ability to be successful in a Nurse Practitioner program. Include at least one clinical reference preferably from an Advanced Practice Nurse and one academic reference preferably from a nursing faculty member from a graduate program evaluating potential for graduate study.
- An interview with faculty may also be required.
- Applicants to this program are strongly encouraged to complete the necessary information requested for the ETS PPI (Personal Potential Index) report that is available during the GRE examination. All official PPI reports must be submitted directly to the UCF College of Graduate Studies (use UCF Institution Code: 5233).

## Application Deadlines

| Adult-Gerontology Nurse Practitioner Certificate | Fall Priority | Fall | Spring | Summer |
|---|---|---|---|---|
| Domestic Applicants | ~~Jan 15~~ | ~~Mar 15~~ Oct 1 | - |
| International Applicants | ~~Jan 15~~ | ~~Jan 15~~ Jul 1 | - |
| International Transfer Applicants | ~~Jan 15~~ | Mar 1 ~~Sep 1~~ | - |

# Contact Info

## Graduate Program

**Susan Chase EdD**

Associate Dean

gradnurse@ucf.edu
Telephone: 407-823-2744
Suite 300  Map

## Graduate Admissions

### Admissions Counselor

gradadmissions@ucf.edu
Telephone: 407-823-2766 ext. 255

Millican Hall 230  Map
Online Application
Graduate Admissions

### Mailing Address

UCF College of Graduate Studies
Millican Hall 230
PO Box 160112
Orlando, FL  32816-0112

### Institution Codes

GRE: 5233
GMAT: RZT-HT-58
TOEFL: 5233
ETS PPI: 5233

# Adult/Gerontology Nurse Practitioner Certificate

## PROGRAM DESCRIPTION

The Post-master's Adult/Gerontology Nurse Practitioner Graduate Certificate prepares nurses who already have received a master's degree in nursing for positions as Adult/Gerontology Nurse Practitioners. The program is credit hours and includes up to 660 hours of clinical practice. There are 12 credit hours of prerequisite requirements.

## CURRICULUM

### Prerequisites—12 Credit Hours

Students must demonstrate successful completion of the following courses:

- NGR 5003 Advanced Health Assessment and Diagnostic Reasoning (2 credit hours)
- NGR 5003L Advanced Health Assessment and Diagnostic Reasoning (1 credit hour, 60 clinical hours)
- NGR 5141 Pathophysiological Bases for Advanced Nursing Practice (3 credit hours)
- NGR 5638 Health Promotion (3 credit hours)
- NGR 6172 Pharmacology for Advanced Nursing Practice (3 credit hours)

### Required Courses— 18 Credit Hours

In addition, students must successfully complete all of the following DNP Adult/Gerontology Nurse Practitioner Track courses:

- NGR 6334 Women's Health for APNs (2 credit hours)
- NGR 6201 Adult I Primary Care (3 credit hours)
- NGR 6240L Adult I Primary Care Clinical (3 credit hours; 180 clinical hours)
- NGR 6263 Gerontologic Care for APNs (3 credit hours)
- NGR 6263L Gerontologic Care Clinical for NPs (2 credit hours; 120 clinical hours)
- NGR 6202L  Adult NP Primary Care Clinical (2 credit hour; 120 clinical hours)
- NGR 6248 Family Nurse Practitioner/Adult Gerontology Nurse Practitioner Practice Practicum (3 credit hours; 180 clinical hours)

Upon completion of all these courses, students will submit the Graduate Certificate Completion Form in order to be certified to receive the Certificate.

# *Graduate Council Curriculum Committee*
# *Course Agenda for 10-08-12*

## *College of Arts & Humanities Course Action Deletions*
*Tabled. Course is being deleted due to course not offered for 5 years or more. Received approval from CAH.*

**FLE 5870 CAH-Modern Languages 3(3,0)**
**Methods of Teaching Foreign Languages:** PR: Graduate status or senior standing or C.I. This course introduces prominent theories and applied research in the field of second language acquisition. It also offers guidance in the practical matters of teaching lower division language courses at university and community college levels. *Occasional.*

## *College of Education Course Action Additions*
*Tabled. Clarification requested on credit hours. New information. The college indicated that the credit hours should be 1-6(1-6, 0).*

**EDA 7987 ED-Teach, Learn & Leadership variable**
**Dissertation in Practice:** PR: Admission to the EdD in Educational Leadership--Executive Track/completion of EdD coursework. *Fall, Spring.*
30 character abbreviation: **Dissertation in Practice**
Rationale: The rationale for adding EDA 7987 is grounded in the change at the national level in the Carnegie Project on the Education Doctorate (Ed.D.) to use the term dissertation in practice, rather than Capstone or Field Project. Students are completing a dissertation that is on a complex problem of practice.
Majors taking course: The EdD in Educational Leadership--Executive Track.

## *College of Nursing Course Action Additions*
**NGR 7XXX CON-Nursing 3(3,0)**
**Doctoral Project 3:** PR: Doctoral standing in the College of Nursing or C.I. Completion of implementation, analysis of data, final paper approval and public presentation of DNP project. Graded S/U. May be used in the degree program a maximum of 2 times. *Fall.*
30 character abbreviation: **Doctoral Project 3**
Rationale: The product of the culminating or comprehensive experience of an independent project that demonstrates application of evidence-based practice. Guided and evaluated by an academic committee.

**NGR 7XXXC CON-Nursing 3(1,2)**
**Doctoral Project 2:** PR: Doctoral standing in the College of Nursing of C.I. Implementation of a DNP Committee approved practice based project to address a health care problem. May be used in the degree program a maximum of 2 times. *Spring.*

30 character abbreviation: **Doctoral Project 2**
Rationale: The DNP Project is the product of the culminating or comprehensive experience of an independent project that demonstrates application of advanced clinical and evidence-based practice. The DNP Project is guided and evaluated by an academic committee and is derived from the practice immersion experience (residency). It will serve as a foundation for future scholarly practice.
Discussion with others: Not applicable
Majors taking course: Not applicable

**NGR 7XXXC        CON-Nursing 3(2,1)**
**Doctoral Project I:** PR: Doctoral standing in the College of Nursing of C.I. Identification of a practice based problem, integration of existing evidence to propose a project to address the problem. May be used in the degree program a maximum of 2 times. *Fall.*
30 character abbreviation: **Doctoral Project I**
Rationale: The DNP Project is the product of the culminating or comprehensive experience of an independent project that demonstrates application of advanced clinical and evidence-based practice. The DNP Project is guided and evaluated by an academic committee and is derived from the practice immersion experience (residency). It will serve as a foundation for future scholarly practice.
Discussion with others: Not applicable
Majors taking course: Not applicable

## *College of Sciences Course Action Additions*
**STA 5XXX        COS-Communication    3(3,0)**
**Statistical Analysis of Communication Data:** PR: STA 2023 or CI. Descriptive statistics; correlation; bivariate, multiple and logistic regression; reliability and validity; effect size, power, confidence intervals; one and two sample tests; ANOVA; categorical data analysis. *Fall, Spring.*
29 of 30 character abbreviation: **Statistical Analysis Com Data**
Rationale: The Nicholson School of Communication needed a special section of statistical methods at the graduate level tailored to their masters students in the Interpersonal Communication and Mass Communication tracks.
Discussion with others: Spoke to Dr. Weger, the graduate coordinator in the Nicholson School of Communication regarding the course addition.  He supports the change.
Majors taking course: Masters students in the Interpersonal Communication and Mass Communication tracks

**AST 6XXX        COS-Physics 3(3,0)**
**Current Topics in Planetary Sciences:** PR: Admission to Planetary Sciences MS/PhD or CI. Review and analyze current advances in planetary science, particularly science results from recent discoveries. The focus of the course will vary depending on current discoveries. May be used in the degree program a maximum of 3 times. *Occasional.*
17 of 30 character abbreviation: **Planetary Seminar**

Rationale: This course covers a gap in our offerings of planetary science courses that addresses cutting edge, topical results. This is science that may be several years away from being incorporated into textbooks, but can be fundamental to our students being competitive in the field. Also taught are the skills and attitude for critical analysis of results, how experimental constraints can skew science results, and how synergistic measurements and instrumentation can advance science return.

Majors taking course: Recommended for all Planetary Science Physics graduate students.

## *Health & Public Affairs Special Topics*

**SOW 5937   Sect 01  HPA-Social Work       3(3,0)**
**ST:Military and Veteran Culture with Historical Frameworks:** PR: Admission to MSW program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. *Spring.*

30 of 30 character abbreviation: **ST:Military & Vet Cult Hist Fr**

Rationale: This course is the foundational course offered as part of a proposed certificate in Military Social Work.

Discussion with others: N/A - no duplicate courses.

*AGENDA NOTES:  Course Addition also being proposed.*

## *Health & Public Affairs Course Action Additions*

**SOW 5XXX          HPA-Social Work 3(3,0)**
**Military and Veteran Culture with Historical Frameworks:** PR: Admission to MSW program or C.I. Thorough analysis of military and veteran systems. Provides the frameworks to assist social workers in better understanding, communicating and practicing with veterans and their families. *Spring.*

30 of 30 character abbreviation: **Military & Vet Cult Hist Frame**

Rationale: This course is the foundational course offered as part of a proposed certificate in Military Social Work.

Discussion with others: N/A - no duplicate courses.

*AGENDA NOTES:  Special Topic also being proposed.*

## *College of Medicine Course Action Revisions*

**PCB 5709L    Laboratory Virtual Simulations in Physiology** ~~2(0,2)~~
**3(0,6)**

CR: PCB 834C Advanced Human Physiology.

Conduct experiments in physiology that enhance the ability to design, collect, analyze data and report results in a scientific manner.

Rationale: This lab course will contain 63 physiology lab experiment activities that require 3 hours of faculty teaching a week and an on-line component. Therefore, we need 3 credits for this course.
Majors taking course: Biomedical Sciences MS, Ph.D., Biotechnology MS

## *College of Sciences Course Action Revisions*
**PSY 6918        Directed Research                                    var**
PR: Graduate standing and C.I.
Directed Research. Graded either S/U or Letter. May be repeated for credit.

**~~STA 6704~~        Data Mining Methodology II                        3(3.0)**
**STA 6XXX**
PR: STA ~~5703 and STA 6106.~~ 5703.
Statistical techniques for data mining that include discriminant analysis, logistic regression, and factor analysis.
Rationale: The prerequisites for this course were STA 5703 and STA 6106.  We now only require STA 5703 as a prerequisite.
Discussion with others: n/a
Majors taking course: Masters in Statistical Computing

## *Engineering & Computer Science Course Action Revisions*
**EML 5060        ~~Mathematical Methods in Mechanical, Materials and Aerospace Engineering~~  3(3,0)**
                **Mathematical Methods in Mechanical and Aerospace Engineering**
PR: MAP 2302.
Vector field theory, generalized coordinates, complex variables, contour integration and LaPlace and Fourier transforms and inversions, variable coefficient ODEs and solution of PDEs for governing equations of heat transfer, ideal fluid flow, and mechanics.
29 of 30 character abbreviation: **Math Methods Mech & Aerospace**
Rationale: Title Change due to the Creation of Materials Department

**EML 5066        ~~Computational Methods in Mechanical, Materials and Aerospace Engineering~~  3(3,0)**
                **Computational Methods in Mechanical and Aerospace Engineering**
PR: EML 3034C.
Error Norms, interpolation and extrapolation, quadratures and adaptive quadratures, solutions of linear and nonlinear systems of equations, functional approximation, solution of ODE's and MWR.
29 of 30 character abbreviation: **Comp Methods Mech & Aerospace**
Rationale: Title Change due to the Creation of Materials Department

**EML 6085** ~~Research Methods in MMAE~~ 3(3,0)
**Research Methods in Mechanical and Aerospace Engineering**

PR: EML ~~5060 and EML 6211.~~ 5060.

Research project is a ~~MMAE~~ MAE option under supervision of an adviser. A project report is due at the end of the semester. ~~May be repeated for credit.~~

Will no longer be repeatable for credit.

23 of 30 character abbreviation: **Research Methods in MAE_____**

Rationale: Title Change due to the Creation of Materials Department