


UCF Graduate Council

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CURRICULUM COMMITTEE MINUTES

Minutes of December 11, 2007 meeting

Members Present	Patricia Bishop, Deborah Breiter, Art Weeks
Recorder	Rhonda Nelson
Guests Present	Bahman Motlagh, Issa Batarseh, Shaojie Zhang, William Russell, Grant Hayes, Michael Hynes, Ron Eaglin, David Vickers
Files	2007-12-11 Course Action Request Minutes Revised 

Welcome and call to order. The meeting was called to order at 12:30 p.m. by Stephen Goodman, chair.

Approval of minutes. The minutes of the meeting held on November 27 were approved unanimously.

Comparative Genomics course. Discussion was held on this course. It was brought to the attention of the committee that Biology had a concern about this course and indicated that the course content was misleading. They suggested that the title or description reflect the emphasis on mathematics rather than biology. E&CS reported that their department has since met with Biology and the issue had been resolved. E&CS indicated that they want to teach the course in spring 08 as a special topic. Dr. Chai, committee member, voiced a concern for the course on behalf of the Burnett School of Biomedical Science. Dr. Chai indicated that the faculty met regarding the course syllabus and concluded that it was a direct overlap of their course entitled Bioinformation and Genomics. Discussion then followed regarding this. The committee requested that a prerequisite be added of graduate standing or C.I. and requested that the course title be changed to Computational Genomics. The committee then voted and approved the special topic to be taught 1 time as a special topic this spring. They indicated that this would allow for the Burnett School and EECS to meet and resolve any issues regarding this course. There was one abstention to this vote.

Social Science Education track. Michael Hynes presented the proposed Social Science Education track. The proposed track will prepare social science students for successful careers in research and teaching. The program will provide options to careers in preparing social science teachers, teaching postsecondary social science, and conducting research activities in social science education. A question was raised on the number of courses and the curriculum content in comparison with similar programs. A question was also raised regarding not having any courses in the field. Dr. Wink indicated that she did not see a social science area of at least 6 or 9 courses in social science. Discussion followed regarding this. The committee requested that a statement be added to the proposal indicating that additional SSE courses may be needed based on the students' previous graduate coursework. William Russell indicated that he would update the proposal with this information and forward it to Graduate Studies. This track received unanimous approval with this change.

Reactivation of the track in MA Digital Media and Film. David Vickers was present to give a summary of the reactivation and to answer any questions. This is a 36 hour credit track that will provide opportunities for students who desire an advanced degree in Digital Media. The track would target students who wish to develop additional expertise for career advancement but do not wish to pursue a terminal degree. The committee voted unanimously to reactivate the track with course changes and to also to add a non thesis option.

Course revisions to the MA in Education programs. Michael Hynes and Grant Hayes were present to give a summary of the changes to these eight programs: MA in Art Education, Counselor Education (School Counseling Track), Elementary Education, English Language Arts Education, Mathematics Education, Science Education, Social Science Education, and Technical & Career Education. The Florida Department of Education, General and Professional Preparation Rule, was recently revised so that course requirements would more closely align to the state mandated teacher competencies and requirements and the requirements revised and approved by the state Board of Education. This required several course revisions to the majority of the programs. After reviewing all of the programs, the committee requested changes to the Math Ed and Science Ed programs. For the Math Ed program, on the first page under choose 1 option, the committee requested that the names and track information be listed in order according to their level; i.e., Middle School Education, Secondary, and Community College Teaching track. Make the correction on the track names in the description area as 2 tracks were listed as middle school. For the Science Ed program, the committee requested that the tracks and descriptions be reordered to read as Biology, Chemistry, Physics, Middle School Science, and Community College. Grant Hayes will send revised proposals for these 2 programs. These revisions were approved unanimously with these changes.

Courses and special topics. For a complete list of courses approved, review the attachment listed at the top of this page.

Next meeting. There are no additional meetings scheduled for December. The committee will resume again in January. Meeting schedule will be forthcoming.

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Courses and Special Topics approved on 12-11-07

All courses listed below were approved unless otherwise noted. Any course listed as tabled or withdrawn refers to the course directly below the notation.

College of Arts & Humanities Special Topics

DIG 6938 Sect 01 CAH-Digital Media 3(3,0)

ST:Digital Media Research Methods: PR: Graduate standing and C.I. An overview of quantitative research methods needed for digital media professionals.

30 character abbreviation: **ST:Digital Media Res Methods**

AGENDA NOTES: Course Addition also being proposed.

Engineering & Computer Science Special Topics

CAP 6938 Sect 01 ECS-Computer Science 3(3,0)

ST: Computational Genomics: PR: Graduate standing or C.I. Topics include state of the art computational techniques and their applications: understanding of hereditary diseases and cancer, genetic mobile elements, genome rearrangements, genome evolution, and the identification of RNA elements and other regulatory elements in genomes

30 character abbreviation: **ST: Comparative Genomics**

College of Arts & Humanities Course Action Additions

DIG 6XXX CAH-Digital Media 3(3,0)

Digital Media Research Methods: PR: Graduate standing and C.I. An overview of quantitative research methods needed for digital media professionals.

30 character abbreviation: **Digital Media Res Methods**

Engineering & Computer Science Special Topics

CAP 6938 Sect 01 ECS-Computer Science 3(3,0)

ST: 3D User Interfaces for Games and Virtual Reality: PR : 5725 or C.I. A rigorous introduction to the design, implementation, and evaluation of the fundamental techniques in spatial interaction.

30 character abbreviation: **ST: 3D User Interface Games&VR**

CDA 6938 Sect 01 ECS-Computer Science 3(3,0)

ST: Multi-Core/Many-Core Architecture and Programming: PR: CDA 4150C or EEL 4768C or C.I. Many-core GPU architectures ; multi-core CPU architectures ; application-specific processor architectures ; data-level and thread-level parallelism ; parallel programming patterns; general-purpose computing on graphics processors (GPGPU).

30 character abbreviation: **ST: Multi-Core Arch & Program**

College of Sciences Course Action Additions

CLP 7XXXC COS-Psychology 3(2,2)

Adult Psychological Assessment: PR: Admission to Psychology Ph.D. Clinical track and C.I. Theory and techniques of adult psychological assessment with emphasis on intake interviewing, cognitive and personality assessment, and report writing.

Materials & Supply Fee addition proposed: \$0.00

30 character abbreviation: **Adult Psychological Assessment**

CLP 7XXX COS-Psychology 3(2,2)

Child Psychological Assessment: PR: Admission to Psychology Ph.D. Clinical track and C.I. Emphasis is placed on theories and techniques of psychological assessment with children and adolescents. Primary emphasis on interviewing, observation skills, and administering intelligence tests.

Materials & Supply Fee addition proposed: \$0.00

30 character abbreviation: **Child Psychological Assessment**

Engineering & Computer Science Course Action Additions

CET 5XXX ECS-Engineering Technology 3(3,0)

Information and Communications Infrastructure: PR: Graduate standing or C.I. This course provides an overview of information systems in the technology world. Topics include hardware, software, databases and related technologies, and telecommunications systems.

30 character abbreviation: **Info & Com Infrastructure**

CET 6XXX ECS-Engineering Technology 3(3,0)

Advanced Topics in Technology: PR: Graduate standing. An in-depth study of feasibility, capabilities, impact, and acceptance of various technologies. Research paper required.

30 character abbreviation: **Advanced Topics in Technology**

CET 6XXX ECS-Engineering Technology 3(3,0)

The Practice of Digital Forensics: PR: CGS 5131 or C.I. Application of digital scientific techniques to solve information assurance, forensic and legal problems.

30 character abbreviation: **Practice of Digital Forensics**

ETG 5XXX ECS-Engineering Technology 3(3,0)

Applied Research Methods: PR: Graduate standing or C.I. Broad overview of applied research methods from the literature review process to the investigation, modeling, experimental design, analysis of results, and technical reports.

30 character abbreviation: **Applied Research Methods**

ETI 6XXX ECS-Engineering Technology 3(3,0)

Technology and Analysis for Enterprises: PR: STA 2023 or STA 3032 or equivalent. Provides a set of sequential activities that must be implemented to achieve enterprise quality. Also provides tools to identify gaps in their current quality plan.

30 character abbreviation: **Tech & Analy for Enterprises**

ETI 6XXX ECS-Engineering Technology 3(3,0)

Technology for Project Management: PR: CET 3010, ENC 3241, ETI 4448 or equivalent courses. This course offers a global perspective on how IT is transforming businesses. It provides information on how organizations operate and compete in the digital economy.

30 character abbreviation: Tech for Project Management

College of Education Course Action Additions

Tabled : requested prerequisite

EEX 6XXX ED-Child, Family & Comm Sci 3(3,0)

Transition Planning and Interdisciplinary Teaming for Students with Disabilities: Interdisciplinary teaming to include available resources, the recognition of the role of parents, teachers, and other professionals, functional community-based curriculum, employability skills, and transition planning.

30 character abbreviation: Transition Plan & Interdis Tea

Tabled : due to time

EDP 6XXX ED-Educational Studies 3(3,0)

Seminar in Applied Learning and Instruction I: PR: Graduate Standing or CI. An overview of contemporary theories and research related to human learning and instruction with a focus on affective and motivational issues surrounding learning and instruction.

30 character abbreviation: Sem in Applied Learn & Inst I

Tabled : due to time

EDP 6XXX ED-Educational Studies 3(3,0)

Seminar in Applied Learning and Instruction II: PR: EDP 6XXX I or CI. An overview of contemporary theories and research in human learning and instruction. Emphasis on cognition, critical thinking, problem-solving, individual differences, and assessment of learning outcomes.

30 character abbreviation: Sem in Applied Learn & Inst II

Tabled : requested prerequisite and shorter description.

ARE 7XXX ED-Teaching & Learning Princ 3(3,0)

Advanced Research Seminar in Art Education: This course will help prepare art education doctoral students to identify and review landmark research and to conduct relevant art education research. Emphasis is placed on examining the nature of past and present research in art education, various methods of conducting art education research, and how research can translate into practical classroom application. Students will review, critique, apply, and develop research topics and proposals. May be used in the degree program a maximum of 2 times only when course content is different.

30 character abbreviation: Adv Res Seminar in Art Educ

Tabled : requested prerequisite and shorter description.

ARE 7XXX ED-Teaching & Learning Princ 3(3,0)

Assessment Seminar in Art Education: This course will further prepare art education doctoral students to identify and review landmark assessment research, and to design and conduct relevant art education research. Emphasis is placed on examining the nature of past and present assessment research in art education, various methods of conducting this research, and how it can translate into application and contribute to the knowledge base in the field.

30 character abbreviation: Assess Seminar in Art Educ

Tabled : requested prerequisite and shorter description.

ARE 7XXX ED-Teaching & Learning Princ 3(3,0)

Internship Seminar in Art Education: Doctoral Internship is "hands on experience" in pre K-16 or as a community based art educator under supervision of a certified classroom teacher. The purpose of this course is for candidates to assume the roles and responsibilities of a classroom teacher in a public/private school or as a community based art educator and be able to demonstrate competence in the Florida Accomplished Practices; the Professional Education Competencies; the ESOL Standards of Practice; and, the Teacher as a Reflective Practioner Attributes in order to optimally develop as a Facilitating Reflective Practitioner in a format designed to identify, stimulate, and promote the academic and professional objectives of its participants. Reading list supplements practical experience.

30 character abbreviation: **Intrn Seminar in Art Education**

SSE 6XXX ED-Teaching & Learning Princ 3(3,0)

Digital History in the K-12 Classroom: This course looks at the concept of digital history and how this pedogogical approach can and should be applied in the K-12 social studies classroom environment.

30 character abbreviation: **Digital History in K 12 Classr**

SSE 7XXX ED-Teaching & Learning Princ 3(3,0)

Content and Program Analysis in Social Science Education: PR: Doctoral standing. Analysis of social science instructional programs including development of content, materials, processes, and assessment procedures in light of current research and practice.

30 character abbreviation: **Cont & Prog Analy Soc Sci Ed**

SSE 7XXX ED-Teaching & Learning Princ 3(3,0)

History of Social Studies Education: PR: Doctoral standing. Major themes, ideas, and personalities in the historical development of curriculum and instruction in social studies in the United States since 1880.

30 character abbreviation: **History of Social Studies Educ**

SSE 7XXX ED-Teaching & Learning Princ 3(3,0)

Internship in Social Science Education: PR: Doctoral standing. Student teaching in a classroom under supervision of a certified classroom teacher. May be used in the degree program a maximum of 3 times.

30 character abbreviation: **Intern in Social Science Educ**

SSE 7XXX ED-Teaching & Learning Princ 3(3,0)

Research in Social Science Education Seminar: PR: Doctoral standing. Analysis and evaluation of scholarly research in social studies education.

30 character abbreviation: **Research in Soc Sci Ed Sem**

College of Optics & Photonics Course Action Additions

OSE 6XXX OPT-Optics 3(3,0)

Liquid Crystal Materials and Devices: PR: Graduate standing or C.I. Basic liquid crystal materials and their physical, optical, and electro-optic properties; photonic devices for amplitude and phase modulations.

30 character abbreviation: **Liquid Crystal Mat & Devices**

OSE 6XXX OPT-Optics 3(3,0)

Optical Waves and Materials: PR: Graduate standing or C.I. Reviews Optics and material properties important for propagation and control of light. This is a review course in preparation for the Ph.D. Qualifying Exam.

30 character abbreviation: **Optical Waves and Materials**

OSE 6XXX OPT-Optics 3(3,0)

Theoretical Foundations of Optics: PR: Graduate standing or C.I. Mathematical concepts used in Optics. Topics covered include linear algebra, orthogonal expansions of functions, Fourier transforms, ordinary differential equations, and partial differential equations.

30 character abbreviation: **Theoret Foundations of Optics**

College of Nursing Course Action Deletions

NGR 5252 CON-Nursing 3(3,0)

Psycho-Social Factors and Health Care Outcomes in the Elderly: PR: Post-baccalaureate or graduate status or C.I. Interdisciplinary perspective to examine the relationship between client characteristics, client health care provider interactions and health care outcomes in the elderly.

NGR 5635 CON-Nursing 3(3,0)

Transdisciplinary and Community-Based Strategies of Health Professionals: PR: Graduate standing or C.I. A study of healthcare issues and strategies encountered by speech-language pathologists and nurse practitioners when promoting transdisciplinary and collaborative interactions.

NGR 5637 CON-Nursing 3(3,0)

Advanced Practice Nursing in Rural Settings: PR: Graduate student in COHPA. Focus is on advance practice nursing in rural environments and delivery services within constraints of sparse resources and geographical remoteness.

NGR 5930 CON-Nursing 3(3,0)

Issues in Health Care for the Homeless: PR: Pre-senior level baccalaureate status or admission to the graduate program; CI. Emphasis on socioeconomic, political, nursing, medical, health practice and research related to care of the homeless.

NGR 6940 CON-Nursing 5(0,5)

NP Certificate Practicum: PR: Pre NGR 6334 or NGR 6242. Supervised advanced clinical practice in the role of the nurse practitioner in an individual preceptorship. Graded S/U. May be repeated for credit.

College of Sciences Course Action Deletions

PSY 6918 COS-Psychology 3(3,0)

Directed Research: PR: PSY 6217, EXP 6257, PSY 6935, ten additional graduate hours in PSY, and C.I. Directed Research involves supervised research activity in an agency setting. The student will devote 15 hours per week in the assigned setting to work on an applied research problem with joint supervision by faculty and agency staff. May be repeated for credit.

College of Business Adm Course Action Revisions

~~ECP 7307 **Research Seminar in Environmental and Natural Resource Economics** **3(3,0)**~~

Research Seminar

PR: ECO 7426, ECP 7311, ECP 7306, or C.I.

Students conduct and evaluate research in ~~environmental and resource economics.~~ their chosen field of specialization. Student projects are prepared with faculty consultation and are presented as part of the seminar.

30 character abbreviation: **Research Seminar**

College of Arts & Humanities Course Action Revisions

~~THE 6086 **Careers in Professional Theater** **3(3,0)**~~

~~**THE 6086C** **3(2,2)**~~

PR: MFA Theater Graduate Candidates (~~Musical Theater, Acting, Design/Tech, Research Methods~~). candidates.

Practical courses focusing on job search skills and other aspects of marketing yourself

~~TPA 5042C **Costume Design Studio** **3(3,0)**~~

~~**3(2,2)**~~

PR: Admission into the graduate program, ~~TPA 3043C, TPA 3044C,~~ program or C.I.

~~Project-oriented course in the advance study of Costume Design~~

Project oriented course in the advance study of Costume Design.

~~TPA 5081 **Design Concepts for Youth Theatre** **3(3,0)**~~

~~**TPA 5081C** **3(3,3)**~~

PR: Admission to MFA graduate program or C.I.

A study of design elements (lighting, costume, set) as they apply to youth theatre.

~~TPA 5095 **Rendering for Theatre I** **4(1,0)**~~

~~**TPA 5095C** **1(1,1)**~~

PR: Admission to Theatre MFA Design Track.

Traditional visual communication skills necessary for scenic, costume, and lighting design.

~~TPA 5175 **Rendering for Theatre II** **4(1,0)**~~

~~**TPA 5175C** **1(1,1)**~~

PR: TPA 5095.

Software and technology available for visual communication and documentation.

~~TPA 6029 **Lighting Design Studio** **3(2,2)**~~

~~**TPA 5XXXC**~~

~~PR: Design Studio & Costume Design Studio. PR: TPA 5042C and TPA 5062C.~~
Advanced work in the process of designing light for the stage with ~~and~~ an emphasis on the use of light as artistic ~~expression~~ expression.

TPA 6096C Advanced Rendering and Modeling for Theatre I 3(2,2)

PR: TPA 5095.

~~Technology relating to visual communication as well as 3 dimensional communication tools.~~
Technology relating to visual communication as well as 3 dimensional communication tools.
May be used in the degree program a maximum of 3 times.
Will now be repeatable for credit.

TPP 5289C Acting Methodologies 2(2,2)

2(2,3)

PR: Admission to Theatre graduate program or C.I.
Approaches to acting.

~~**TPP 5386 Directing for Young Audiences 3(3,0)**~~

~~**TPP 5386C 3(3,3)**~~

~~PR: THE 5910 and Dramatic Literature for Children. THE 5385.~~
Study of the principles, procedures, and practices of stage direction as it applies to theatre for young audiences.

College of Nursing Course Action Revisions

NGR 5745 Professional Obligations and Activities of Advanced Practice Nursing 1(1,0)

~~PR: NGR 5746 and NGR 5744. Admission to MSN program or C.I. Student must be in last or second to last semester of program.~~

Examine professional obligations of advanced practice nursing. Opportunity to develop skills for taking certification exam.

ERRORS: Syllabus is missing.

NGR 6099C Advanced Skills for the Management of Illness and Injuries 3(2,1)

~~PR: Pre or Co NGR 6240 or NGR 6331, or C.I. PR: Admission to MSN program or a nursing certificate track. Completion of one clinical course, or C.I.~~

Development of pathological, theoretical, and clinical skills for the evaluation, diagnosis, intervention, and management of illnesses and injuries.

Materials & Supply Fee: \$45.00

ERRORS: Syllabus is missing.

NGR 6105 Management of Symptoms and Outcomes of Disease 3(3,0)

~~PR: NGR 5800, PR: or CR: NGR 5800, NGR 5141. 5141.~~

Focused examination of the concepts, theories and research evidence that provide the basis for assessment and management of the patient experiences related to disease outcomes.

ERRORS: Syllabus is missing.

NGR 6240 Adult I for APNs**3(3,0)**

~~PR: PreAdmit MSN Prog ANP/FNP PR: Admission to MSN program or a nursing certificate FNP and ANP track, NGR 5003, NGR 5141, NGR 6334. CR: Adult I APN clin or C.I. 5004L, NGR 5141. PR or CR: NGR 6192; CR: NGR 6240L (for ANP and FNP tracks).~~

Development of theoretical skills for evaluation, diagnosis, and management of health needs of adults and communities.

ERRORS: Syllabus is missing.

NGR 6240L Adult I Clinical for APNs**3(0,3)**

~~PR: Preadmit PR: Admission to MSN prog FNP/ANP track, NGR 5003, NGR 5004L, NGR 5141, NGR 6334, NGR 6192. program or nursing certificate, ANP or FNP track. CR: NGR 6240.~~

Application of skills for evaluation, diagnosis, and management of health needs of adults and communities. Graded S/U.

Materials & Supply Fee: \$10.00

ERRORS: Syllabus is missing.

NGR 6242 Adult II for APNs**2(2,0)**

~~PR: NGR 6242, NGR 6334, NGR 6192. CR: Adult II for APN Clinical or CI. PR: Admission to MSN program or a nursing certificate track; NGR 6240. CR: NGR 6242L (for ANP track).~~

Development of theoretical foundation for the evaluation, diagnosis, and management of the complex health needs of adults.

ERRORS: Syllabus is missing.

NGR 6242L Adult II Clinical for APNs**2(0,2)**

~~PR: NGR 6240, NGR 6334, NGR 6192 CO NGR 6242. PR: Admission to MSN program or nursing certificate ANP track, NGR 6240; NGR 6240L (FNA, ANP tracks). CR: NGR 6242.~~

Application of theory and skills for the evaluation, diagnosis, and management of the complex health needs of adults. Graded S/U. May be repeated for credit.

ERRORS: Syllabus is missing.

NGR 6331 Pediatrics I for APNs**2(2,0)**

~~PR: Admission to MSN program FNP or PNP tract, or a nursing certificate track, NGR 5003, NGR 5141. ; CR: Pediatrics I Clinical, NGR 6192, Focused Pediatrics (PNP students only). 5004L, NGR 5141. PR or CR: NGR 6192. CR: NGR 6331L (for PNP, FNP tracks).~~

Evaluation, diagnosis, and management of the primary care needs of children, their families and communities.

ERRORS: Syllabus is missing.

NGR 6331L Pediatrics I Clinical for APNs**2(0,2)**

~~PR: Admission of to MSN program PNP or FNP track, NGR 5003, NGR 5141. CR: Pediatrics I, NGR 6192, Focused Pediatrics. or nursing certificate, FNP or PNP track. CR: NGR 6331.~~

Evaluation diagnosis and management of the primary care needs of children and their families. Graded S/U.

Materials & Supply Fee: \$12.00

ERRORS: Syllabus is missing.

NGR 6332 Pediatrics II for APNs**3(3,0)**

~~PR: Pediatrics I, Pediatrics I Clinical, NGR 6192 ; CR: Pediatrics II, Clinical or Cl. PR: Admission to MSN program or nursing certificate program, NGR 6331, NGR 6331L (for FNP and PNP tracks). CR: NGR 6332L (for PNP track).~~

Foundation for the evaluation, diagnosis, and management of the complex health needs of children and their families.

NGR 6332L Pediatrics II Clinical for APNs 3(0,3)

~~PR: Pediatrics I, Pediatrics I Clinical, NGR 6192.; CR: Pediatrics II.~~ PR: Admission to MSN program or nursing certificate, PNP track, NGR 6332.

Evaluation, diagnosis, and management of the complex health needs of children and their families. Graded S/U.

Materials & Supply Fee: \$15.00

ERRORS: Syllabus is missing.

NGR 6334 Women's Health for APNs 2(2,0)

~~PR: Admit MSN prog ANP/FNP PR: Admission to MSN program or nursing certificate track, NGR 5003, NGR 5141. CR: Wmns Hlth APN Clin. 6192 or Cl. 5004L, NGR 5141, NGR 6192. CR: NGR 6482L (for ANP and FNP tracks).~~

Development of theoretical skills for evaluation, diagnosis, and management of women.

ERRORS: Syllabus is missing.

NGR 6335 Focused Pediatrics for APNs 2(2,0)

~~PR: PR: Admission to MSN program or nursing certificate track, NGR 6331, NGR 6331L. CR: 6335L. 6331L (for PNP students). CR: 6335L (for PNP studenets).~~

Development of advanced knowledge in the physical and developmental assessment of children and families across the lifespan.

ERRORS: Syllabus is missing.

NGR 6335L Focused Pediatrics Clinical for APNs 1(0,3)

~~CR: PR: Admission to MSN program or nursing certificate PNP track, NGR 6335.~~

Application of theory and skills for the in depth developmental and physical assessment of children and their families. Graded S/U. May be repeated for credit.

Materials & Supply Fee: \$30.00

ERRORS: Syllabus is missing.

NGR 6482L Women's Health for APNs Clinical 1(0,3)

~~PR: Admission to MSN program or nursing certificate ANP or FNP track. CR: NGR 6334.~~

Appliction of skills for evaluation, diagnosis, and management of the health needs of women. Graded S/U.

Materials & Supply Fee: \$45.00

ERRORS: Syllabus is missing.

Withdrawn : per request from College of Nursing

NGR 6714 Clinical Teaching Strategies for Nursing 3(3,0)

~~PR: NGR 5794Teaching 6XXXTeaching Strategies for Health Professionals, Nurse Educators or C.I.~~

Synthesis of research-based literature and best practice in the development, implementation and evaluation of clinical education for nursing students.

ERRORS: Syllabus is missing.

Withdrawn : per request from Collge of Nursing

NGR 6813 Evidence Based Nursing Practice 3(3,0)

PR: NGR 5800 and NGR 5801; Must be in last 12 hours of MSN program. second to last semester of program.

Apply research, theory and other evidence to advanced practice nursing. Processes for implementation, evaluation and synthesis of evidence-based nursing practice are included.

ERRORS: Syllabus is missing.

NGR 6941 Advanced Practice Practicum Variable, 1-7

PR: NGR 5003, NGR 5141, NGR 6192, NGR 6240 and NGR 6334, or NGR 6332; CR: NGR 6242 – ANP/FNP. PR: Admission to MSN program or Nursing certificate program. Can be started concurrently with final clinical course in program of study. (Varies with plan of study.). Supervised advanced clinical practice in the role of the nurse practitioner in an individualized preceptorship. Graded S/U.

ERRORS: Syllabus is missing.

College of Sciences Course Action Revisions

~~MAA 5405~~ Complex Variables 3(3,0)

~~MAA 6XXX~~

PR: MAC 2313, PR: MAA 4226, MAP 4307, and graduate status or senior standing or C.I. Analytic functions. series and Harmonic functions. Integration in the complex plane. Laurent series. Residue calculus. Inversion of Laplace transformations. Applications in engineering and the physical sciences. Maximum Modulus Principle. Conformal mappings.

~~MAA 6239~~ Asymptotic Methods in Mathematical Statistics 3(3,0)

~~MAA 7XXX~~

PR: MAP 6111 (~~Mathematical Statistics~~) or C.I.

~~Large sample theory, martingale sequences, probability measures on metric spaces, absolute continuity and singularity, Hellinger distance, functions of statistics, asymptotic theory of estimation.~~

Large sample theory, martingale sequences, probability measures on metric spaces, absolute continuity and singularity, Hellinger distance, functions of statistics, asymptotic theory of estimation and applications.

~~MAP 5407~~ Applied Mathematics I 3(3,0)

~~MAP 6XXX~~

PR: MAP 2302, and graduate status or senior standing MAS 3105, MAA 4226, MAP 4307, MAP 4363, or C.I.

~~variations. Linear functionals, calculus of introduction to integral equations variations, Hamilton's principle, Rayleigh-Ritz method, Sturm-Liouville theory, Green's functions for ordinary differential equations, Volterra and Fredholm integral equations.~~

~~MAP 5385~~ Applied Numerical Mathematics 3(3,0)

~~MAP 6XXX~~

PR: MAP 2302, graduate status or senior 5117, MAA 5210, graduate standing, or C.I.

Classical topics or numerical analysis and their applications, Romberg integration, Richardson extrapolation, Gaussian quadrature schemes.
Numerical linear algebra, Gaussian elimination, Gauss-Seidel iteration, optimization procedures, numerical solution of ordinary differential equations.

MAP 6386 Numerical Solutions of PDE 3(3,0)
MAP 7XXX

PR: MAP 6356, ~~MAP 5385~~, MAP6XXX (Applied Numerical Mathematics) or C.I.
Numerical solution of linear and nonlinear partial differential equations of parabolic, elliptic and hyperbolic type. Solution of PDE using finite difference and spectral methods.

POS 6743 ~~Geographic Information Systems for Environmental Politics~~ 3(3,0)
Geographic Tools for Political Science Research

PR: Graduate standing or C.I.
Provides an introduction to the theoretical assumptions, analytical possibilities and application of ~~geographic Information Systems (GIS)~~ tools of analysis for political science research.
30 character abbreviation: Geo Tools for Political Sci

EXP 5254 Human Factors and Aging 3(3,0)

PR: Graduate ~~status~~, standing, post-bac, or senior standing ~~or C.I.~~ with C.I.
An overview of issues related to enhancing quality of life of elderly through the implementation of basic human factors principles in environmental and task design.

Engineering & Computer Science Course Action Revisions

EML 5152 Intermediate Heat Transfer 3(3,0)

PR: EML 4142, EML 5713, ~~EML 5060~~. 5060.
An intermediate-level course dealing with heat and mass diffusion, boundary layer problems, and radiation from real bodies. Emphasis on combined modes, numerical methods.

College of Optics & Photonics Course Action Revisions

~~OSE 5143~~ Fiber Optics Communication 3(3,0)

OSE 6XXX

PR: ~~EEL 3552C, EEL 3470~~. PR: Graduate standing and OSE 6432 or C.I.
Use of fiber optics as a communication channel. Principles of fiber optics. Mode theory, transmitters, modulators, sensors detectors and demodulators.

~~OSE 5421~~ Integrated Optics 3(3,0)

OSE 6XXX

PR: Graduate standing or C.I.
The propagation and loss characteristics in dielectric optical waveguides, fundamental concepts of both integrated and fiber optic devices, and numerical modeling of complex integrated optical components.

~~OSE 5114~~ Optical Wave Propagation 3(3,0)

OSE 6XXX

PR: Graduate standing or C.I.

~~Optical propagation of light waves as applied to isotropic, anisotropic, and inhomogeneous media, guided waves and Gaussian beams~~

Optical propagation of light waves as applied to isotropic, anisotropic, and inhomogeneous media, guided waves and Gaussian beams.