Graduate Council Curriculum Committee
September 29, 2010
3:30 p.m., MH 395

Agenda

1. Welcome and call to order

2. General business
    - Graduate Council Curriculum Committee overview
    - Graduate Council website
    - Dates and start times for meetings
    - Proxy voting

3. Course revisions to the Education Ph.D., Hospitality Education track – CED& RCHM

4. Courses and special topics

5. Adjournment

Members of the Graduate Council Curriculum Committee:

Patricia Bishop, Ex officio, AA
Deborah Breiter, RCHM
Honghui Chen, CBA
Tosha Dupras, COS-Chair
Jane Gibson, COM
Naim Kapucu, COHPA
Anne Norris, CON
Joyce Nutta, CED
Max Poole, Liaison, CGS
Tison Pugh, CAH
Martin Richardson, COP
Terrie Sypolt, Libraries
Sergio Tafur, GSA
James Turkson, COM
Art Weeks, CECS

2010-2011 GRADUATE CURRICULUM COMMITTEE

Name	College	Department	Term	Senator	Voting	Email
Senate Representatives						
Chen, Honghui	Business	Finance	2008-2011	Yes	Voting	hchen@bus.ucf.edu
Dupras, Tosha	Sciences	Anthropology	2010-2013	Yes	Voting	tdupras@mail.ucf.edu
Gibson, Jane	Medicine	Medical Education	2009-2012	Yes	Non-Voting	jgibson@mail.ucf.edu
Kapucu, Naim	Health & Public Affairs	Public Administration	2009-2012	Yes	Voting	nkapucu@mail.ucf.edu
Weeks, Art	Engineering & Computer Science	Electrical Engineering and Computer Science	2008-2011	Yes	Voting	weeks@mail.ucf.edu
Faculty Representatives						
Breiter, Deborah	Hospitality	Tourism, Events and Attractions	2009-2012	No	Voting	dbreiter@mail.ucf.edu
Norris, Anne	Nursing	Nursing	2009-2012	No	Voting	anorris@mail.ucf.edu
Nutta, Joyce	Education	School of Teaching, Learning and Leadership	2009-2012	No	Voting	jnutta@mail.ucf.edu
Pugh, Tison	Arts & Humanities	English	2008-2011	No	Voting	tpugh@pegasus.cc.ucf.edu
Richardson, Martin	Optics	Optics and Photonics	2008-2011	No	Voting	mrichard@creol.ucf.edu
Sypolt, Terrie	Libraries	Reference	2009-2012	No	Voting	tsypolt@mail.ucf.edu
Turkson, James	Medicine	Biomolecular Science Center	2009-2012	No	Voting	jturkson@mail.ucf.edu
Student Representatives						
Tafur, Sergio		Graduate Student Association	2009-2012	No	Voting	stafur@mail.ucf.edu

2010-2011 GRADUATE CURRICULUM COMMITTEE

Name	College	Department	Term	Senator	Voting	Email
Administrators						
Bishop, Patricia	Graduate Studies	Graduate Studies	Continuing	No	Ex officio	pbishop@mail.ucf.edu

GRADUATE COUNCIL CURRICULUM COMMITTEE
SCHEDULE OF MEETINGS
Fall 2010

MEETING DATE	LOCATION	DEADLINE FOR COLLEGES TO SUBMIT AGENDA ITEMS TO GRADUATE STUDIES
September 29	395 Millican Hall	September 15
October 13	395 Millican Hall	September 29
October 27	243 Millican Hall	October 13
November 10	395 Millican Hall	October 27
December 8	395 Millican Hall	November 17

NOTE: All meetings will be held from 3:30-5:00 p.m.

Additions or Changes to Courses and Programs That Require Graduate Council Approval

Overview:

It is the responsibility of the Graduate Curriculum Committee of the Graduate Council to review new graduate courses and special topic requests, and recommend approval to the Vice Provost and Dean of the College of Graduate Studies on new tracks and certificates, and revisions to and deletions of existing graduate programs and courses. This committee must also approve changes to existing degree programs, such as the hours required, changes to core curriculum or significant changes to the curriculum, and the addition, deletion, or modification of an option, track, or specialty area.

Additions or changes requiring approval include:

1. **New graduate tracks and certificates**

2. **Changes to existing graduate programs, including:**
    a. Deletions and suspensions of existing graduate programs
    b. Program length
    c. Minimum number of hours needed to complete a program
    d. Revisions to the required core of the program
    e. Significant changes to the electives
    f. Adding new areas of specialization
    g. Revisions to courses taught outside the program
    h. Providing for online delivery of the program or delivery through continuing education
    i. For additional information on program development and program changes, please refer to the Program Director's Guide on the College of Graduate Studies website: http://www.admin.graduate.ucf.edu/sitemap/index.cfm?RsrcID=10

3. **New course actions and changes to existing courses, including: prerequisites, titles, hours, and course description.**
    - Course action and special topics request forms are available under the Menu Forms tab of the Graduate Curriculum Committee section on the Graduate Council website: http://www.graduatecouncil.ucf.edu/Curriculum/

Reminder:

1. All requests for new courses must use the course prefix and the course level with "XXX" such as PSY 5XXX, PSY 6XXX, or PSY 7XXX.
2. The course prefix is not "owned" by a department or college; it corresponds to the discipline, and can be used by different departments/ colleges. Course numbers are assigned by Tallahassee.
3. Even if a course had a number in use by another SUS institution or had a number at one time at UCF, it should not be used on the course addition request form.
4. After Graduate Council action, course action requests are forwarded to the Academic Services Office for transmittal to Tallahassee for assignment of common course numbering.
5. Approved Special Topics requests are sent to course scheduling in the Registrar's Office so they may be made available for registration. (Special topics may be taught two times before a new request should be submitted.)
6. For additional information on course development, please refer to the Program Director's Guide on the College of Graduate Studies website: http://www.admin.graduate.ucf.edu/sitemap/index.cfm?RsrcID=10

All additions and revisions to programs and courses should be discussed with programs/ colleges who have courses and program offerings in similar content areas. Include approval documentation from the other programs/colleges.

All requests being sent to Graduate Council must have all necessary program and college approval signatures. Requests should be forwarded through your college to UCF College of Graduate Studies.

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.

College/Unit(s) Submitting Proposal: College of Education & Rosen College **Proposed Effective Term/Year:** Fall 2011

Unit(s) Housing Program: College of Education & Rosen College

Name of Program and/or track: Education PhD - Hospitality Education

Brief Statement of Program Change: (for suspensions or deletions of degree programs, tracks or certificates, please attach on a separate sheet the rationale for this action, including statement of how this action impacts faculty teaching in and students enrolled in the program, track or certificate. Please note the units that have been consulted if duplication of programs or conflict of interest with other units has occurred.)

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

Please check one: this action is a(n): ☐ Addition ☐ Inactivation ☐ Deletion ☑ Revision
☐ Temporary Suspension of Admissions: 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.

Inactivation: the program will be removed from the online application. Admissions will be suspended to new students. A notation will be entered in the catalog to indicate that the program is being deleted. If students are currently in the program, the program will remain in the graduate catalog. Once the last students have graduated, the program will be removed from the catalog.

Deletions: the program will be removed from the online application. Admissions will be suspended to new students. A notation will be entered in the catalog to indicate that the program is being deleted. If students are currently in the program, the program will remain in the graduate catalog. Once the last students have graduated, the program will be removed from the catalog and deleted in all university records.

For program, track, or certificate additions or revisions:

1. **Will students be moved from an existing program or track into this new program or track?** ☐ Yes ☉ No
   If yes, state the name of the program or track where students are currently enrolled: _____
2. **Are you changing the name of an existing program or track?** ☐ Yes ☉ No
   If yes, provide the new name of the program or track: _____
   Provide the name of the current program or track: _____
   When is the name change effective? _____
   Please Note: A name change will be effective on all diplomas on the effective date of change. This may affect students currently enrolled or those newly admitted.
3. **Are you requesting a CIP Code change?** ☐ Yes ☉ No
   If yes, old CIP _____ new CIP _____
4. **A "marked up" catalog copy MUST be included showing the changes for the existing description.**

For program, track, and certificate inactivation or deletions:

1. **Are students currently enrolled in the program?** ☐ Yes ☐ No
2. **If yes, attach a "teach out" plan for all current students specifying how they can finish the program or where students will be placed if being moved to another program. The " teach out" plan should specify when courses will be offered to enable students to finish.**

RECOMMENDATIONS

☐ Yes ☐ No
Department Chair: _____ **Date:** _____

☐ Yes ☐ No
College Curriculum Committee Chair: _____ **Date:** _____

☐ Yes ☐ No
College Dean or Unit Head: _____ **Date:** _____

☐ Yes ☐ No
Chair, UPCC or GSC: _____ **Date:** _____

☐ Yes ☐ No
Dean, Undergraduate Studies or Graduate Studies: _____ **Date:** _____

Approval:

Provost and Executive Vice President: _____ **Date:** _____

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

☐ Department(s)	☐ Associate Registrar	☐ Faculty Senate
☐ College	☐ Institutional Research	☐ Information, Analysis & Assessment
☐ Registrar	☐ Academic Services	

Change Proposal for the Education Doctorate of Philosophy
Hospitality Education Track

UCF College of Education and UCF Rosen College

A Change Proposal for the UCF Education Doctorate of Philosophy
Hospitality Education Track

Table of Contents

I. Overview and rationale for the proposed changes

The Rosen College of Hospitality Management only proposes changes to the Specialization portion of the Education PhD – Hospitality Education track Plan of Study. After an extensive review and discussion, the Rosen College Graduate Policy & Curriculum Committee (RCGPCC) approved the attached proposal on October 20, 2009 and forwarded it to the Rosen College Faculty Assembly on November 15, 2009. The proposal was approved by the Faculty Assembly on January 8, 2010.

The field of hospitality and tourism has expanded well beyond the traditional sectors of lodging, foodservice, and tourism over the past decade. The existing 7000 level specialization courses are to be retained, but as elective options to better meld with a doctoral candidate's research interests and specialization. Further to this, a minimum of five specialization courses result from the proposed changes to provide greater flexibility and depth to investigate the literature, theories, and practices across a multiplicity of sectors within the industry.

Finally, knowledge of, the appropriate selection of and experience with advanced methodological options and analyses in use by the hospitality & tourism academics and industry professionals are the foundation for two new doctoral courses with research emphasis. Both are further intended to enhance doctoral students' presentation and publication skill sets and experiences.

Proposed Changes in Doctorate of Philosophy in Education and Hospitality Management

1) Add a required 3-credit course entitled HFT7XXX, Advanced Research Methods in Hospitality and Tourism (i.e., requires no change in credit hours due to a reduction in specialization electives).

2) Add a 1-credit hour course entitled HFT7xxx Research Seminar in Hospitality and Tourism (i.e., requires the addition of 1-credit hour).

3) Add a required 3-credit course entitled HFT7xxx, Foundations in Hospitality and Tourism (i.e., requires no change in current credit hours due to a reduction in the student electives or specialization by 3-credits).

II. Graduate Faculty Resourses

The graduate faculty in the three departments at the Rosen College of Hospitality Management already exist to support the proposed changes.

Foodservice and Lodging Management (FLM)
Hospitality Services Department (HSD)
Tourism, Events and Attractions Department (TEA)

Deborah Breiter, Ph.D, Professor and Chairperson (TEA)
Po-Ju Chen, Ph.D, Assistant Professor (HSD)
Youngsoo Choi, Ph.D, Assistant Professor (HSD)
Robertico Croes, Ph.D, Associate Professor (TEA)
Duncan Dickson, Ed.D, Assistant Professor (TEA)
William Fisher, Ph.D, Professor (FLM)
Jill Fjelstul, Ph.D, Assistant Professor (TEA)
Tadayuki Hara, Ph.D, Associate Professor (TEA)
Nan Hua, Ph.D, Assistant Professor (HSD)
Wilfried Iskat, Ph.D, Associate Professor (FLM)
Leonard Jackson, Ph.D, Assistant Professor (HSD)
Frank Juge, Ph.D, Professor (FLM)
Hyung-il Jung, Ph.D, Assistant Professor (HSD)
Tammie Kaufman, Ph.D, Assistant Professor (FLM)
David Kwun, Ph.D, Assistant Professor (HSD)
Siriporn McDowall, Ph.D, Assistant Professor (TEA)
Ady Milman, Ph.D, Professor (TEA)
Christopher Muller, Ph.D, Professor (FLM)
Kevin Murphy, Ph.D, Assistant Professor (FLM)
Sandra Naipaul, Ph.D, Assistant Professor (HSD)
Khaldoon Nusair, Ph.D, Assistant Professor (HSD)
Fevzi Okumus, Ph.D, Associate Professor and Chairperson (HSD)
H.G. Parsa, Ph.D, Associate Professor and Chairperson (FLM)
Abraham Pizam, Ph.D, Professor and Dean of the Rosen College
Heejung Ro, Ph.D, Assistant Professor (HSD)
Paul Rompf, Ph.D, Associate Professor (HSD)
Mary Jo Ross, Ed.D, Assistant Professor (FLM)
Michael Scantlebury, Ph.D, Assistant Professor (TEA)
Denver Severt, Ph.D, Associate Professor (HSD)
Kimberly Severt, Ph.D, Assistant Professor (TEA)
Dana Tesone, Ph.D, Associate Professor (HSD)
Raymond Wang, Ph.D, Associate Professor (TEA)

III. Syllabi for the New Courses Proposed

University of Central Florida
Rosen College of Hospitality Management
HFT 7XXX: Advanced Research Methods in Hospitality and Tourism

Course Description:

Facilitates creating, developing and solving research problems through the application of appropriate research methods to contemporary issues in the hospitality and tourism industry.

Prerequisites:

EDF 7403, 7463, (Consent of Instructor)

Goals and Objectives:

At the completion of this course, the student will be able to:

- Design multi-trait multi-method (e.g., quantitative and qualitative) approaches to solve research problems in the hospitality industry.
- Practice of research problem creation, synthesis of literature review and write up.
- Application of appropriate methodological scheme.
- Conduct data analytic techniques to provide potential solutions to research problems.
- Analyze, purify, interpret and write up data analysis
- Formulations of discussions and conclusions along with the creation of suggested future research ideas.
- Analyses and presentation of research results and peer critiques.

Format:

The course will be guided by one faculty member who may invite various colleagues who have expertise conducting research using positivistic and interpretative techniques. Course will meet weekly and will be discussion based.

Suggested Textbook/Literature:

Reading packet of selected articles from e-course packet in bookstore.

Measuring Achievement:

Research Analysis and Write Up #1	33%
Research Analysis and Write Up #2	33%
Research Analysis and Write Up #3	34%

Grading scheme:

451 – 500 points =	A
401 – 450 points =	B
351 – 400 points =	C
301 – 350 points =	D
300 points or fewer =	F

Course Policies:

Attendance: Mandatory

Examinations and/or Assessment:
Examinations will be considered the Research Analysis and Write Papers and Presentations, critiques of other students and idea generation papers.

Golden Rule:

Cases of academic impropriety of any type will be dealt with in accordance with the Rules of Conduct and the Disciplinary Process for the University of Central Florida, as described in the The Golden Rule. The Rosen College does not tolerate academic dishonesty in any form. All work submitted by you for this class must be original in design and content. Papers/projects previously used for other classes are not acceptable for use without written permission from both instructors.

ADA:

Reasonable accommodations will be made through the Office of Student Disabilities upon request for assistance. Please see the instructor if you have any concerns.

Course Topics & Schedule:

	SUBJECT	ASSIGNMENT
Week 1	Introduction to Course	Student Brainstorm Research Problems through the analysis of articles
Week 2	Research Problems in Hospitality and Tourism Sector	Research Problem Example Write Up Paper
Week 3	Designing Research Solutions in the Hospitality and Tourism Sector Using Examples	Three Research Solutions to Research Problem Paper
Week 4	Properly Investigating and Specification of the Research Problem through theoretical and conceptual development	Discussion
Week 5	Finding the right balance with the literature review	Readings and Discussion
Week 6	Matching the methodology to the research problem	Readings and Discussion
Week 7	Applying an appropriate data analytic technique	Readings and Discussion
Week 8	Data purification, analysis and write up	Data Analysis Presentations
Week 9	Discussion, Limitations and Future Research	Discussion and Conclusions Presentations
Week 10	Design multiple methods centered around one research stream	Multi-methods applied to the student's research stream paper
Week 11	Laboratory Practice Module #1	Presentation of Module #1
Week 12	Laboratory Practice Module #2	Presentation of Module #2
Week 13	Laboratory Practice Module #3	Presentation of Module #3
Week 14	Final Presentation #1	Critique/Present Student Presentations
Week 15	Final Presentation #2	Critique/Present Student Presentations
Week 16	Final Presentation #3	Critique/Present Student Presentations

University of Central Florida
Rosen College of Hospitality Management
HFT 7XXX: Foundations in Hospitality and Tourism

Course Description:

This course facilitates the introduction of hospitality and tourism research across a broad expanse of industry sectors including but not limited to attractions, events, leisure, foodservice and lodging.

Credit Hours: 3 credit hours

Prerequisites:

Admission to the Ph.D. Hos Ed program; Consent of Instructor

Goals and Objectives:

At the completion of this course, the student will be able to:

- Identify important scholarly works across the sectors of hospitality and tourism.
- Identify the various sectors of the hospitality and tourism industry research.
- Provide examples of this research to use as a beginning for the student's synthesis and introduction to their selected stream of research.
- Understand the basis of the sectors of research through listening to various scholars explain their research or their perspective of these segments.
- Identify potential primary and secondary research interests.

Format:

The course will be guided by one faculty member who invites various readings by colleagues based on various sectors each given two-weeks in the course. Faculty will have conducted research across different statistical techniques. Course will meet weekly and will be discussion based with student reading five research articles and then presenting a topic around that topic the following week. By the end of the course students will do a paper and presentation in one of the sectors of interest.

Textbook/Literature:

Five selected articles from Attractions, Events, Lodging, Travel, Leisure, and Foodservice, etc. chosen by relevant scholars in those areas.

Measuring Achievement:

Students will read and discuss articles, analyze research across the various sectors of Hospitality and Tourism and present a paper at the end of the course which is highly recommended to be submitted for presentation or publication.

Grading scheme:

451 – 500 points = A
401 – 450 points = B
351 – 400 points = C
301 – 350 points = D
300 points or fewer = F

Course Policies:

Textbook: Potentially suggested readings by instructor

Attendance: Mandatory for discussion based course.

Examinations: None

Golden Rule: Cases of academic impropriety of any type will be dealt with in accordance with the Rules of Conduct and the Disciplinary Process for the University of Central Florida, as described in the The Golden Rule. The Rosen College does not tolerate academic dishonesty in any form. All work submitted by you for this class must be original in design and content. Papers/projects previously used for other classes are not acceptable for use without written permission from both instructors.

ADA: Reasonable accommodations will be made through the Office of Student Disabilities upon request for assistance. Please see me if you have any concerns.

Course Topics & Schedule:

	SUBJECT	**ASSIGNMENT**
Week 1	Introduction	
Week 2	Attractions Literature	Reading of Articles
Week 3	Attractions Literature	Presentations of Student Topic
Week 4	Event Literature	Reading of Five Articles by Event Faculty
Week 5	Event Literature	Presentation of Student Topic
Week 6	Lodging Literature	Reading of Lodging Articles
Week 7	Lodging Literature	Presentation of Student Topic
Week 8	Travel Literature	Reading of Five Articles by Conventions Faculty
Week 9	Travel Literature	Presentation of Student Topic
Week 10	Leisure Literature	Reading of Five Articles by Conventions Faculty
Week 11	Leisure Literature	Presentation of Student Topic
Week 12	Foodservice Literature	Reading of Five Articles by Conventions Faculty
Week 13	Foodservice Literature	Presentation of Student Topic
Week 14	Consultation on Research Papers	Students finish & critique papers
Week 15	**Presentation of Research Papers**	Students finish & critique papers
Week 16	**Presentation of Research Papers**	Students finish & critique papers

University of Central Florida
Rosen College of Hospitality Management
HFT 7XXX: Research Seminar in Hospitality and Tourism

Course Description:

This course includes the presentation of, exposure to and professional critique of current research projects by students.

Credit Hours: 1 credit hour

Prerequisites:

Ph.D. in Hos Ed program; Consent of Instructor

Goals and Objectives:

At the completion of this course, the student will be able to:

- Present research presentations in an academic environment.
- Generate ideas for future research based on audience input.
- Peer review and collection of feedback in a professional manner within an academic setting.
- Appreciate the importance, process, and styles for the presentation and defense of research.

Format:

The course will be guided by one faculty member beginning with more advanced doctoral students who will present their work. After a few weeks, the new students will present their research in the colloquium.

Note: The syllabus for this course should be ready and approved one semester in advance since it will involve multiple visits by different researchers. This class will be under the jurisdiction of the director of the program regarding the process and scheduling of visitors.

Textbook/Literature:

None required.

Measuring Achievement:

Students will attend and present and critique research in a professional manner. Presentation and discussion will both be part of the grading for this class.

Grading scheme:
Satisfactory versus Unsatisfactory

Course Policies:
Attendance: Mandatory for discussion based course.

Examinations: None

Golden Rule: Cases of academic impropriety of any type will be dealt with in accordance with the Rules of Conduct and the Disciplinary Process for the University of Central Florida, as described in the The Golden Rule. The Rosen College does not tolerate academic dishonesty in any form. All work submitted by you for this class must be original in design and content. Papers/projects previously used for other classes are not acceptable for use without written permission from both instructors.

ADA: Reasonable accommodations will be made through the Office of Student Disabilities upon request for assistance. Please see me if you have any concerns.

Course Topics & Schedule:

	SUBJECT	**ASSIGNMENT**
Week 1	Course Introduction	
Week 2	Presentation of Scholarly Works by Faculty	Explore various presentations and proceedings from conferences
Week 3	Faculty Research Presentation	Reflect on research presentation of faculty
Week 4	Faculty / Graduate Student Presentation	Preparation of topics
Week 5	Faculty / Graduate Student Presentation	Preparation and Critique of Research Presentations
Week 6	Student Presentation	Preparation and Critique of Research Presentations
Week 7	Student Presentation	Preparation and Critique of Research Presentations
Week 8	Student Presentation	Preparation and Critique of Research Presentations
Week 9	Student Presentation	Preparation and Critique of Research Presentations
Week 10	Student Presentation	Preparation and Critique of Research Presentations
Week 11	Student Presentation	Preparation and Critique of Research Presentations
Week 12	Student Presentation	Preparation and Critique of Research Presentations
Week 13	Student Presentation	Preparation and Critique of Research Presentations
Week 14	Student Presentation	Preparation and Critique of Research Presentations
Week 15	Student Presentation	Preparation and Critique of Research Presentations
Week 16	Student Presentation	Preparation and Critique of Research Presentations

University of Central Florida **College of Education**

Proposed Revised Plan of Study*
2011 - 2012 Catalog

Student's Name: PID: Entry Date:

Degree: Ph.D. in Education Track: **Hospitality Educ** Code: **0877D** Initial: Revision: Final:

Prefix #	Course Title	Indic+	S Hrs	Sem/yr (F04)	Grade	Non-UCF Inst.
AREA I: PREREQUISITES						
EDF 6401 Statistics for Educational Data			3			3
					Area I Total:	3
AREA II: EDUCATION CORE (24 sh)						
IDS 7501 Issues & Research in Education			3			
IDS 7500 Seminar in Educational Research			3			
IDS 7500 Seminar in Educational Research			3			
EDF 7475 Qualitative Research Education			3			
EDF 7403 Quant Found of Educ Research			3			
EDF 7463 Analysis Survey/Rec/Qual Data			3			
IDS 7502 Case Studies Research Design			3			
Research Elective						
Select from: IDS7938, EDF7406, EDF7405, EDF7415, EDF7473, EDF7487			3			
					Area II Total:	24
AREA III: SPECIALIZATION (22 min sh)						
REQUIRED SPECIALIZATION COURSES (7 sh)						
HFT 7xxx Foundations in Hos/Tour Res			3			
HFT 7xxx Advanced Res Meth Hos/Tour			3			
HFT 7xxx Research Seminar in Hos/Tour			1			
ADDITIONAL SPECIALIZATION COURSES (15 min sh) ; At least 6 credit hours should be earned from HFT7XXX level courses; Course selection based on student's area of interest in consultation with major advisor and approved by graduate program director						
Select 2 from: HFT7258, HFT7546, HFT7715, HFT7876						
HFT 7XXX			3			
HFT 7XXX			3			
Select 3 from any HFT6000+ or approved 6000+ from other UCF colleges						
HFTXXXX			3			
HFT XXXX			3			
HFT XXXX			3			
					Area III Total:	22
AREA IV: DISSERTATION: (min 24 sh)						
HFT 7980 Dissertation			9			
HFT 7980 Dissertation			9			
HFT 7980 Dissertation			6			
					Area IV Total:	24
					Total Hours	70

Student Signature Date

Doctoral Program Coordinator. Date

Advisor Date

Acknowledgement by OGS Date

Plan of study for _____, page 2

*All plans of study must include a minimum of 70 semester hours post masters.

For Office Use Only:

	√	Date
Oral Examination		
Written Examination		
IRB form/waiver received		

University of Central Florida **College of Education**

Plan/Program of Study*
2009 - 2010 Catalog

Student's Name: PID: Entry Date:

Degree: Ph.D. in Education Track: **Hospitality Educ** Code: **0877D** Initial: Revision: Final:

Prefix #	Course Title	Indic+	S Hrs	Sem/yr (F04)	Grade	Non-UCF Inst.
AREA I: PREREQUISITES						
EDF 6401	Statistics for Educational Data		3			3
					Area I Total:	3
AREA II: EDUCATION CORE (24 sh)						
IDS 7501	Issues & Research in Education		3			
IDS 7500	Seminar in Educational Research		3			
IDS 7500	Seminar in Educational Research		3			
EDF 7475	Qualitative Research Education		3			
EDF 7403	Quant Found of Educ Research		3			
EDF 7463	Analysis Survey/Rec/Qual Data		3			
IDS 7502	Case Studies Research Design		3			
Research Elective						
Select from: IDS7938, EDF7406, EDF7405, EDF7415, EDF7473, EDF7487			3			
					Area II Total:	24
AREA III: SPECIALIZATION (21 min sh)						
REQUIRED SPECIALIZATION COURSES						
HFT 7258	Strat & Tactics: Lodging		3			
HFT 7546	Strat & Tactics: Guest Serv Mg		3			
HFT 7715	Strat & Tactics: Travel & Tour		3			
HFT 7876	Strat & Tactics: Foodservice		3			
ADDITIONAL SPECIALIZATION COURSES						
HFT XXXX			3			
HFT XXXX			3			
HFT XXXX			3			
					Area III Total:	21
AREA IV: DISSERTATION: (min 24)						
HFT 7980	Dissertation		9			
HFT 7980	Dissertation		9			
HFT 7980	Dissertation		6			
					Area IV Total:	24
					Total Hours	69

Student Signature Date

Doctoral Program Coordinator. Date

Advisor Date

Acknowledgement by OGS Date

Plan of study for _____, page 2

*All plans of study must include a minimum of 69 semester hours post masters.

For Office Use Only:

	√	Date
Oral Examination		
Written Examination		
IRB form/waiver received		

Education PhD

Hospitality Education

Related Programs

- Hospitality and Tourism Management MS

Subplan Disciplines

This track belongs to the following disciplines:

- Hospitality Management
- Education

FEEDBACK

College : Education
Degree : PHD
Department :
Option : Dissertation
Program Websites : http://education.ucf.edu/phd/ , http://www.hospitality.ucf.edu/graduate_info.html

TRACK DESCRIPTION

The Hospitality Education track in the Education PhD program prepares candidates for teaching and research in the field of hospitality systems in professions such as a tenure-earning university professor and hospitality field consultants. The focus is upon the application of appropriate strategies relative to the conduct of hospitality enterprises. Read More

CURRICULUM

Total Credit Hours Required:
70 Credit Hours Minimum beyond the Master's Degree

Prerequisites

- EDF 6401 Statistics for Educational Data (3 credit hours)

Required Courses—~~36~~ 31 Credit Hours

Core—24 Credit Hours

- IDS 7501 Issues and Research in Education (3 credit hours)
- IDS 7500 Seminar in Educational Research (variable credit and repeatable, 6 credit hours)
- EDF 7475 Qualitative Research in Education (3 credit hours)
- EDF 7403 Quantitative Foundations of Educational Research (3 credit hours)
- EDF 7463 Analysis of Survey, Record and Other Qualitative Data (3 credit hours)
- IDS 7502 Case Studies in Research Design (3 credit hours)
- Research Elective: select from IDS 7938, EDF 7406, EDF 7405, EDF 7415, EDF 7473, EDF 7487.

Specialization— 22 Minimum Credit Hours

Required Specialization Courses (7 credit hours)

- **HFT 7XXX Foundations in Hos/Tour Res (3 credit hours)**
- **HFT 7XXX Advanced Res Meth Hos/Tour (3 credit hours)**
- **HFT 7XXX Research Seminar in Hos/Tour (1 credit hour)**

Additional Specialization Courses (15 credit hours minimum): At least 6 credit hours should be from HFT 7XXX level courses; course selection based on student's area of interest in consultation with major advisor and approved by graduate program director.

Select a minimum of 2 from:

- HFT 7258 Strategies and Tactics: Lodging (3 credit hours)
- HFT 7546 Strategies and Tactics: Guest Service Management (3 credit hours)
- HFT 7715 Strategies and Tactics: Travel and Tourism (3 credit hours)
- HFT 7876 Strategies and Tactics: Foodservice (3 credit hours)
- HFT 7XXX (3 credit hours)
- HFT 7XXX (3 credit hours)

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Select the remaining of your minimum 15 credit hours ~~3~~ from any HFT 6000 + or approved 6000+/ 7000+ from other UCF Colleges

- HFT XXXX (3 credit hours)
- HFT XXXX (3 credit hours)
- HFT XXXX (3 credit hours)

Dissertation—24 Credit Hours

- ~~XXX~~ HFT 7980 Dissertation Research (24 credit hours minimum)

Doctoral students must present a prospectus for the dissertation to the doctoral adviser, prepare a proposal and present it to the dissertation committee, and defend the final research submission with the dissertation committee.

Candidacy

To enter candidacy for the PhD, students must have an overall 3.0 GPA on all graduate work included in the planned program and pass all required examinations. Examinations will be scheduled by the student and major adviser. The associate dean for graduate studies and research must be notified of the date and location of the exam 30 days in advance. Students must be enrolled in the university during the semester an examination is taken.

The following are required to be admitted to candidacy and enroll in dissertation hours:

- Completion of all course work, except for dissertation hours.
- Successful completion of the candidacy examination.
- Successful defense of the written dissertation proposal.
- The dissertation advisory committee is formed, consisting of approved graduate faculty and graduate faculty scholars.
- Submittal of an approved program of study.

Candidacy Examinations

All PhD candidates will be required to complete two examinations.

- Research in the Specialization—8-hour written examination.
- Specialization—3-hour oral examination.

Please note that there may be variations in length of exam time and content based on the respective requirements of each track.

INDEPENDENT LEARNING

The dissertation satisfies the independent learning requirement.

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.
- A master's degree in a closely related field.
- Official, competitive GRE or GMAT score taken within the last five years.
- Three letters of recommendation.
- Goal statement.

- Résumé
- 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).

Application Deadlines

All application materials must be submitted by the appropriate deadline listed below.

Hospitality Education	Fall Priority	Fall	Spring	Summer
Domestic Applicants	Dec 20	Feb 15		
International Applicants	Dec 20	Jan 15		
International Transfer Applicants	Dec 20	Feb 15		

FINANCIALS

Graduate students may receive financial assistance through fellowships, assistantships, tuition support, or loans. For more information, see Student Finances, 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.

Contact Info

Graduate Program

Paul Rompf PhD

Associate Professor

prompf@mail.ucf.edu
Telephone: 407-903-8027
RCH 270 Map

Graduate Admissions

Christopher LeGoullon

gradadmissions@mail.ucf.edu
Telephone: 407-823-2766
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

Sharon Preston
Telephone: 407-823-6497
LaVonda Walker
Telephone: 407-823-0127
gradfellowship@mail.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@mail.ucf.edu
http://finaid.ucf.edu

SPLIT CLASS

University of Central Florida

Course Action Request Form

☐ Course Addition ■ Course Revision ☐ Course Deletion

Forward to your college office

Course Information NOTE: *Course additions and course revisions must be accompanied by a course syllabus and rationale.*
Note: Departments must also submit an electronic syllabus to the college curriculum person.

College: College of Medicine **Department:** BSBS

Department Chair: Dr. Pappachan E. Kolattukudy **Phone:** 407-823-1206

Academic Affairs Approved Instructor: Dr. Roseann White

	Course Prefix	Number	Title	Credit Hours (Lec-Lab)
Course Prefix	PCB	6596	Bioinformation and Genomics	3 (3,0)
New or Proposed Revision	PCB	5***	Biomedical Informatics: sequence analysis	3 (3,0)

30 Char. Abbreviation: Computational Sequence Analysis

Course Description (25 word limit) (If course revision, underscore changes.):

Introduction of useful bioinformatics tools and resources on sequence analysis.

Will lab fees be charged? ☐ Yes ☑ No

Repeat for credit? ☐ Yes ☑ No If yes, indicate the total times this course may be used in the degree program. _____

If course is repeatable, explain what will remain the same and what will change when the course is repeated.

NOTE: *For a repeatable course, indicate in the syllabus what will remain the same and what will change when the course is repeated.Also indicate who approves content before a course is repeated.*

Prerequisite(s) and/or Corequisite(s): undergrad. molecular biology course or equival. **Graded S/U?** ☑ Yes ☐ No

Split-Level Class: ☑ Yes ☐ No

If offering a split-level class, complete this section even if it had been approved earlier for individual delivery.

List undergraduate split-level course: PCB4***

NOTE: *Both the graduate and the undergraduate split-level syllabi must be approved through the established university process for approving courses so that there are two separate and complete syllabi for each course. The graduate syllabus should clearly demonstrate more advanced subject matter, expectations, and rigor. Attach both undergraduate and graduate syllabi to this form.*

Term of Offering
When will course be offered?

■ Odd Fall ☐ Odd Spring ☐ Odd Summer

☐ Even Fall ☐ Even Spring ☐ Even Summer ☐ Occasional

Intended Utilization of Course
The course will be used primarily as:

☐ Required Courses ■ Elective Courses

Justification for Course Addition or Course Revision

What is the rationale for adding/changing this course?

It becomes routine for undergraduates to take bioinformatics courses in other universities (ex, Stanford, UCSD, and Harvard). With only one bioinformatics faculty at College of Medicine, we cannot afford to offer the same course at two levels. However, undergraduates (ex. undergraduates from Dr. Cristina Fernandez-Valle's lab) found current course is useful for their research in the labs.

What majors require or recommend this course for graduation? recommend to COM and Department of Biology

If not a major requirement, what will be the source of students? _____

What is the estimated annual enrollment? 10 graduate students and 10 undergraduate students

Possible duplications and conflicts with other departments or colleges should be discussed with appropriate parties. Please detail discussion you have had.

There are bioinformatics courses only at EECS at UCF. However, those courses offered there require more computational skill and focus on method development. The proposed course will focus on the introduction of the tools and resources with explanation of the ideas behind these tools and resources. So there is no conflict with other departments or colleges. I have discussed course with EECS faculty and they are supportive of my development of these courses.

Justification for Course Deletion

Is this course a required course for graduation in a major or prerequisite? ☐ Yes ☑ No

If yes, have the involved major departments been informed, in writing, of proposed deletion? ☐ Yes ☐ No

If not, explain:Course Description (25 word limit) (If course revision, underscore changes.):

Notes:

Approval Signatures

Department Chair _____ **Date** _____

College Academic Standards _____ **Date** _____

College Dean _____ **Date** _____

Graduate Council _____ **Date** _____

Graduate Dean _____ **Date** _____

PCB5*: Biomedical Informatics: Sequence Analysis**

Fall 2010, Tuesday and Thursday 3:00-4:15pm
Office hour: Tuesday and Thursday 2:00-3:00pm
Instructor: Xiaoman Li

Description
This course is for graduate students in Biomedical Science and Biology. It will introduce basic concepts and tools in bioinformatics. Topics include gene information retrieval, DNA sequence analysis, cis-regulatory analysis, ChIP-seq data analysis, microarray data analysis, epigenetics, and so on. Different from classical Bioinformatics courses that focus on method development, this course is more like a computational biology lab course, which enables students to be familiar with the useful tools and resources for their biomedical or bioinformatics research.

Prerequisite
Students should have taken undergraduate molecular biology or equivalent courses in order to be enrolled. Talk with the instructor for special consideration.

Textbook
There is no required textbook. All class contents are provided in the lecture slides and in the published papers.

Assignments
There will be four 5-minute exams in class (20%), a 30-minute paper presentation (30%), and an 8-page review on the presentation topic as the final exam (40%). For presentation, the student needs to choose a topic related to bioinformatics and to be approved by the instructor. The student also needs to choose a few papers on this topic to write the review after discussing with the instructor.

Grading
Attendance (10%), in-class-short exams (20%), paper presentation (30%), final exam (40%). The final grade will be one of the A, B, C, D, and F.

Academic Mis-conduct:

Absolutely no cheating is allowed. Please read school's policy on Academic misconduct and cheating on http://www.goldenrule.sdes.ucf.edu/2e_Rules.html

Tentative Schedule

0. **Welcome/Introduction/Administrivia**
1. **Retrieval of gene information**
   The gene information at NCBI
   Gene ID conversion, Gene Ontology
   Find similar genes based on sequence and expression

2. **Sequence analysis**
   Alignment ABC: local and global,pariwise and multiple
   How to use BLAST
   UCSC genome browser
   Ensembl Genome Browser
3. **Gene regulation analysis at the transcriptional level**
   Gene regulation basics
   MATCH for known motif identification
   MEME, CONSENSUS and others for novel motifs
   TGS and others for multiple species
   Genome-wide study for individual motifs
   Cis-regulatory modules: MOPAT and others
   Genome-wide cis-regulatory modules
4. **Next generation sequencing and ChIP-seq**
   ChIP-seq
   The comparison of ChIP-chip and ChIP-seq
   Caveat in analyzing ChIP-seq data
   RNA-seq
5. **Presentation**
6. **Microarray Data Analysis**
   Microarray basics: types, problems, and resources
   Identify differentially expressed genes
   Clustering analysis
   Gene ontology analysis
   Feature selection

PCB 4*: Biomedical Informatics: Sequence Analysis**

Fall 2010, Tuesday and Thursday 3:00-4:15pm
Office hour: Tuesday and Thursday 2:00-3:00pm
Instructor: Xiaoman Li

Description:

This course is for undergraduate students in Biomedical Science and Biology. It will introduce basic concepts and tools in bioinformatics. Topics include gene information retrieval, DNA sequence analysis, cis-regulatory analysis, ChIP-seq data analysis, microarray data analysis, epigenetics, and so on. Different from classical Bioinformatics courses that focus on method development, this course is more like a computational biology lab course, which enables students to be familiar with the useful tools and resources for their biomedical or bioinformatics research.

Prerequisite:
Students should have taken undergraduate molecular biology or equivalent courses in order to be enrolled. Talk with the instructor for special consideration.

Textbook:
There is no required textbook. All class contents are provided in the lecture slides and in the published papers.

Assignments: There will be four 5-minute exams in class (20%), a 15-minute tool presentation (30%), and an individual project to collect data as the final exam (40%). For presentation, the students will show their results of comparing two programs for the same purpose mentioned in the class. For the individual project, the student will discuss with the faculty to extract data for special problems.

Grading: attendance (10%), in-class-short exams (20%), tool presentation (30%), final exam (40%). The final grade will be A, B, C, D, or F.

Academic Mis-conduct:

Absolutely no cheating is allowed. Please read school's policy on Academic misconduct and cheating on http://www.goldenrule.sdes.ucf.edu/2e_Rules.html

Tentative Schedule

0. **Welcome/Introduction/Administrivia**
1. **Retrieval of gene information**
   The gene information at NCBI
   Gene ID conversion, Gene Ontology
   Find similar genes based on sequence and expression
2. **Sequence analysis**

Alignment ABC: local and global,pariwise and multiple
How to use BLAST
UCSC genome browser
Ensembl Genome Browser

3. **Gene regulation analysis at the transcriptional level**
   Gene regulation basics
   MATCH for known motif identification
   MEME, CONSENSUS and others for novel motifs
   TGS and others for multiple species
   Genome-wide study for individual motifs
   Cis-regulatory modules: MOPAT and others
   Genome-wide cis-regulatory modules
4. **Next generation sequencing and ChIP-seq**
   ChIP-seq
   The comparison of ChIP-chip and ChIP-seq
   Caveat in analyzing ChIP-seq data
   RNA-seq
5. **Presentation**
6. **Microarray Data Analysis**
   Microarray basics: types, problems, and resources
   Identify differentially expressed genes
   Clustering analysis
   Gene ontology analysis
   Feature selection

Split class

University of Central Florida

Course Action Request Form

☐ Course Addition ■ Course Revision ☐ Course Deletion

Forward to your college office

Course Information NOTE: *Course additions and course revisions must be accompanied by a course syllabus and rationale.*
Note: Departments must also submit an electronic syllabus to the college curriculum person.

College: College of Medicine **Department:** BSBS

Department Chair: Dr. Pappachan E. Kolattukudy **Phone:** 407-823-1206

Academic Affairs Approved Instructor: Dr. Roseann White

	Course Prefix	Number	Title	Credit Hours (Lecture, Lab, Other)
Course Prefix	PCB	6938	Special topic: Structure Bioinformatics	3 (3,0)
New or Proposed Revision	PCB	5***	Biomedical Informatics: Structure Analysis	3 (3,0)

30 Char. Abbreviation: Computational Structure Analysis

Course Description (25 word limit) (If course revision, underscore changes.):

Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis.

Will lab fees be charged? ☐ Yes ☑ No

Repeat for credit? ☐ Yes ☑ No If yes, indicate the total times this course may be used in the degree program. _____

If course is repeatable, explain what will remain the same and what will change when the course is repeated.

NOTE: *For a repeatable course, indicate in the syllabus what will remain the same and what will change when the course is repeated. Also indicate who approves content before a course is repeated.*

Prerequisite(s) and/or Corequisite(s): undergrad. molecular biology course or equival. **Graded S/U?** ☑ Yes ☐ No

Split-Level Class: ☑ Yes ☐ No

If offering a split-level class, complete this section even if it had been approved earlier for individual delivery.

List undergraduate split-level course: PCB4***

NOTE: *Both the graduate and the undergraduate split-level syllabi must be approved through the established university process for approving courses so that there are two separate and complete syllabi for each course. The graduate syllabus should clearly demonstrate more advanced subject matter, expectations, and rigor. Attach both undergraduate and graduate syllabi to this form.*

Term of Offering
When will course be offered?

☐ Odd Fall ■ Odd Spring ☐ Odd Summer

☐ Even Fall ☐ Even Spring ☐ Even Summer ☐ Occasional

Intended Utilization of Course
The course will be used primarily as:

☐ Required Courses ■ Elective Courses

What is the rationale for adding/changing this course?

It becomes routine for undergraduates to take bioinformatics courses in other universities (ex, Stanford, UCSD, and Harvard). Moreover, good undergraduates at UCF are as good as graduates. With only one bioinformatics faculty at College of Medicine, we cannot afford to offer the same course at two levels. It is a better way to revise the course into a grad/undergrad course such that it can also serve a large number of undergraduates as well.

What majors require or recommend this course for graduation? recommend to COM and Department of Biology

If not a major requirement, what will be the source of students? _____

What is the estimated annual enrollment? 10 graduate students and 10 undergraduate students

Possible duplications and conflicts with other departments or colleges should be discussed with appropriate parties. Please detail discussion you have had.

There are bioinformatics courses only at EECS at UCF. However, those courses offered there require more computational skill and focus on methodology development. The proposed course will focus on the introduction of the tools and resources with explanation of the ideas behind these tools and resources. So there is no conflict with other departments or colleges. I have discussed course with EECS faculty and they are supportive of my development of these courses.

Justification for Course Deletion

Is this course a required course for graduation in a major or prerequisite? ☐ Yes ☑ No

If yes, have the involved major departments been informed, in writing, of proposed deletion? ☐ Yes ☐ No

If not, explain:Course Description (25 word limit) (If course revision, underscore changes.):

Notes:

Approval Signatures

Department Chair _____ **Date** _____

College Academic Standards _____ **Date** _____

College Dean _____ **Date** _____

Graduate Council _____ **Date** _____

Graduate Dean _____ **Date** _____

PCB5*: Biomedical Informatics: Structure Analysis**
Spring 2011, Mondays and Wednesdays 3:00-4:15pm
Instructor: Xiaoman Li
Office: HEC210
Office hour: 2-3pm

Description
This course is for graduate students in Biomedical Science and Biology. It focuses on tools and resources in bioinformatics. Topics include miRNA, RNA structure, protein motifs, protein structure, protein-DNA interaction, and so on. Different from classical Bioinformatics courses that target on method development, this course aims to teach students useful tools and resources in bioinformatics, and the idea behind these tools and resources, which will benefit their research.

Prerequisite
Students should have taken undergraduate molecular biology or equivalent courses in order to be enrolled. Talk with the instructor for special consideration.

Textbook
There is no required textbook. All class contents are based papers and are provided in the lecture slides.

Assignments
There will be four 5-minute exams in class (20%), a 30-minute paper presentation (30%), an 8-page review as the final exam (40%). For presentation, the student needs to choose a bioinformatics topic and to be approved by the instructor. The student also needs to select three to five papers on this topic to submit a final review.

Grading
Attendance (10%), in-class-short exams (20%), presentation (30%), final exam (40%). The final grade will be A, B, C, D, or F.

Main topics:
miRNA analysis

1. miRNAs
2. miRNA and gene expression
3. miRNA expression profiling classify human cancers
4. predict miRNA target genes
5. identify miRNA host genes

Predict RNA structure

1. RNA secondary structure
2. estimating "energy" parameters
3. Align and fold
4. Align then fold

Predict protein motifs

1. EMI and prosite motifs
2. insight from minimotif and minimotif miner
3. how to predict protein motifs
4. the disorder regions of proteins

Predict protein structure

1. importance, CASP, and structure genomics, X-ray crystallography or NMR spectroscopy
2. Ab initio protein modelling
3. Comparative protein modeling: Homology modeling
4. Comparative protein modeling: Protein threading
5. Macromolecular docking
6. molecular dynamics

Homology modeling for protein-DNA interaction

1. protein-DNA docking
2. Connecting protein structure with predictions of regulatory site
3. Ab initio prediction of transcription factor targets using structural knowledge

PCB4*: Biomedical Informatics: Structure Analysis**
Spring 2011, Mondays and Wednesdays 3:00-4:15pm
Instructor: Xiaoman Li
Office: HEC210
Office hour: 2-3pm

Description
This course is for undergraduate students in Biomedical Science and Biology. It focuses on tools and resources in bioinformatics. Topics include miRNA, RNA structure, protein motifs, protein structure, protein-DNA interaction, and so on. Different from classical Bioinformatics courses that target on method development, this course aims to teach students useful tools and resources in bioinformatics, and the idea behind these tools and resources, which will benefit their research.

Prerequisite
Students should have taken undergraduate molecular biology or equivalent courses in order to be enrolled. Talk with the instructor for special consideration.

Textbook
There is no required textbook. All class contents are based papers and are provided in the lecture slides.

Assignments
There will be four 5-minute exams in class (20%), a 15-minute tool presentation (30%), and an individual project to extract data as final exam (40%). For presentation, the students will show their results of comparing two programs for the same purpose mentioned in the class. For the individual project, the student will discuss with the faculty to extract data for a bioinformatics problem.

Grading
Attendance (10%), in-class-short exams (20%), tool presentation (30%), final exam (40%). The final grade will be A, B, C, D, or F.

Main topics:
miRNA analysis
miRNAs
miRNA and gene expression
miRNA expression profiling classify human cancers
predict miRNA target genes
identify miRNA host genes

Predict RNA structure
RNA secondary structure
estimating "energy" parameters
Align and fold
Align then fold

Predict protein motifs
EMI and prosite motifs
insight from minimotif and minimotif miner

how to predict protein motifs
the disorder regions of proteins

Predict protein structure
importance, CASP, and structure genomics, X-ray crystallography or NMR spectroscopy
Ab initio protein modelling
Comparative protein modeling: Homology modeling
Comparative protein modeling: Protein threading
Macromolecular docking
molecular dynamics

Homology modeling for protein-DNA interaction
protein-DNA docking
Connecting protein structure with predictions of regulatory site
Ab initio prediction of transcription factor targets using structural knowledge

Split class

University of Central Florida

Course Action Request Form

■ Course Addition ☐ Course Revision ☐ Course Deletion

Forward to your college office

Course Information NOTE: *Course additions and course revisions must be accompanied by a course syllabus and rationale.*
Note: Departments must also submit an electronic syllabus to the college curriculum person.

College: Medicine **Department:** Burnett School

Department Chair: Pappachan Kolattukudy, Ph.D. **Phone:**

Academic Affairs Approved Instructor: Annette R. Khaled, Ph.D.

	Course Prefix	Number	Title	Credit Hours Ex.: 3(3,0)
Course Prefix				
New or Proposed Revision	PCB	5XXX	Molecular Immunology	3.0

30 Char. Abbreviation:

Course Description (25 word limit) (If course revision, underscore changes.):

A lecture course covering the fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response.

Will lab fees be charged? ☐ Yes ☑ No

Repeat for credit? ☐ Yes ☑ No If yes, indicate the total times this course may be used in the degree program.

If course is repeatable, explain what will remain the same and what will change when the course is repeated.

NOTE: *For a repeatable course, indicate in the syllabus what will remain the same and what will change when the course is repeated. Also indicate who approves content before a course is repeated.*

Prerequisite(s) and/or Corequisite(s): PCB 3522, Molecular Biology I or equivalent molecular biology course **Graded S/U?** ☐ Yes ☑ No

Split-Level Class: Graded S/U? ☐ Yes ☑ No

If offering a split-level class, complete this section even if it had been approved earlier for individual delivery.

List undergraduate split-level course: PCB 4239 Molecular Immunology

NOTE: *Both the graduate and the undergraduate split-level syllabi must be approved through the established university process for approving courses so that there are two separate and complete syllabi for each course. The graduate syllabus should clearly demonstrate more advanced subject matter, expectations, and rigor. Attach both undergraduate and graduate syllabi to this form.*

Term of Offering
When will course be offered?

☐ Odd Fall ☐ Odd Spring ☐ Odd Summer

☐ Even Fall ☐ Even Spring ☐ Even Summer ☐ Occasional

Intended Utilization of Course
The course will be used primarily as:

☐ Required Courses ■ Elective Courses

What is the rationale for adding/changing this course?

Currently there is no graduate level basic immunology course. A split level 4000/5000 course is needed to enable graduate students to take Molecular Immunology as part of their graduate program of study.

What majors require or recommend this course for graduation? Molecular Biology and Microbiology

If not a major requirement, what will be the source of students? _____

What is the estimated annual enrollment? 150 students

Possible duplications and conflicts with other departments or colleges should be discussed with appropriate parties. Please detail discussion you have had.

There are no duplications.

Justification for Course Deletion

Is this course a required course for graduation in a major or prerequisite? ☐ Yes ☐ No

If yes, have the involved major departments been informed, in writing, of proposed deletion? ☐ Yes ☐ No

If not, explain:Course Description (25 word limit) (If course revision, underscore changes.):

Notes:

Approval Signatures

Assoc. Department Chair _____ Date 9/15/10

College Academic Standards _____ Date 9/15/10

Assoc. Dir College Dean _____ Date 9/15/10

Graduate Council _____ Date _____

Graduate Dean _____ Date _____

PCB 5XXX Molecular Immunology
Spring 2011
Dr. Annette Khaled

Contacting the Professor The Class
Office Hrs. By appointment. **Meeting time:** TuTh 1:30-2:45 PM
Office: Lake Nona 355; BRA 108 **Place:**
Phone: 407 266-7035 **Course URL: https://webcourses.ucf.edu/webct/logon/823472416041**
Email: akhaled@mail.ucf.edu

Course Description: A lecture course covering the fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response.

Course Objectives: Students should develop a detailed understanding of how the cells and molecules of the immune system provide defense against invading pathogens and how both the front-line defenses of the innate immune system and the long-term responses generated by adaptive immunity maintain health and biological integrity. How diseases affect the normal function of the immune response and the pathological consequences of these diseases will also be discussed.

Required Materials: Required text: Cellular and Molecular Immunology, Abbas, Lichtman, Pillai. Updated Edition 6. *Older editions are not acceptable.* Recommended but not required material: i-clicker classroom response system remote. Students are responsible for registering their remote at www.iclicker.com.

Prerequisites: Students are expected to have successfully completed PCB 3522, Molecular Biology I or an equivalent molecular biology course.

Evaluation procedures

Test	Description	Weight toward final grade
3 Essay Exams	Short answer essay exams will test material covered in one section of course	**20%** each
Review Paper	A 5-8 page review on a novel topic in immunology not covered in the course will be due last week of class.	**15%** total
Final exam	Multiple choice questions cumulative exam with emphasis on new material.	**25%**

Additional Policies

Exams and Paper Topic Taking exams is mandatory. **No** make-up exams will be given *unless* you contact the professor at least *7 days before* the exam date to schedule a make-up exam. Topic for review paper will be chosen by the student and *must* be approved by the instructor before Mar. 1st. No papers will be accepted without approval of topic by the instructor. Review papers will be due by Apr. 21st.

Academic integrity

Classroom behavior Cheating on exams or any other form of academic dishonesty is an offense that will be dealt with as outlined in the Golden Rule. Academic dishonesty in any form will not be tolerated. See examination policy below. Violations of student academic behavior standards are outlined in The Golden Rule, the University of Central Florida's Student Handbook. See http://www.ucf.edu/goldenrule/ for further details. In the classroom - "**Disruptive behavior will not be tolerated.**"

Examination Policy Cell phones, hats or any electronic gadgets are not allowed in the classroom during exams. Other than the exam, pen or pencil, no other materials are allowed on the desk or in person during the exam. Students are encouraged to use bathrooms before the start of exams and bathroom breaks during the exam will be monitored. Students will be seated appropriately to avoid copying but it is the responsibility of the individual student to avoid any suspicious behavior.

Disability Access Students with disabilities who need accommodations in this course *must contact the professor at the beginning* of the semester to discuss needed accommodations. Students who need accommodations must be registered with Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.

Office hours You must make an appointment in advance to meet with the professor. Appointments may be made after class or by phone or email.

Date	#	Topic	Chapters from Abbas	Mode	
11-Jan	1	Overview of the immune response/Innate Immunity	1, 2	Class	
13-Jan	2	Innate Immunity/Cells and Tissues	2, 3	Class	
18-Jan	3	Cells and Tissues/Antibodies and Antigens	4	Class	
20-Jan	4	Antibodies and Antigens/MHC	5	Class	
25-Jan	5	Antigen Processing and Presentation	6	Class	
27-Jan	6	Antigen Processing/Antigen Receptors	6, 7	Class	
1-Feb	7	REVIEW	Class		

3-Feb	8	**ESSAY EXAM I**	**1-7**			
8-Feb	9	Lymphocyte Development	8	Class		
10-Feb	10	Lymphocyte Development	8	Class		
15-Feb	11	Activation of T cells	9	Class		
17-Feb	12	Activation of T cells/ B-cell Activation	9,10	Class		
22-Feb	13	B-cell Activation	10	WEB		
24-Feb	14	Tolerance	11	Class		
1-Mar	15	REVIEW and *APPROVAL OF PAPER TOPIC*				Class
3-Mar	16	**ESSAY EXAM II**	**8-11**			
7-12 Mar		*Spring Break*				
15-Mar	17	Cytokines	12	Class		
17-Mar	18	Effector Mechanisms: Cell-Mediated	13	Class		
22-Mar	19	Effector Mechanisms: Cell-mediated/Humoral	13, 14	Class		
24-Mar	20	Effector Mechanisms: Humoral	14	Class		
29-Mar	21	Immunity to Microbes	15	Class		
31-Mar	22	Transplantation Immunology	16	Class		
5-Apr	23	REVIEW	Class			
7-Apr	24	**ESSAY EXAM III**	**12-16**			
12-Apr	25	Immunity to Tumors	17	Class		
14-Apr	26	Hypersensitivity and Autoimmunity	18	Class		
19-Apr	27	Immediate Hypersensitivity	19	Class		
21-Apr	28	REVIEW and *PAPER DUE*		Class		
27-Apr		**FINAL EXAM**	**Cumulative**			

Tentative Schedule.

Molecular Immunology
Spring 200?
Dr. Annette Khaled
Dr. Alex Cole

Contacting the Professor
Office Hrs.
Khaled 3-5p Mon, 9-11a Thurs (by appt)
Cole 810a Mon, 45p Wed, 35p Fri (by appt)

Meeting time MWF 10:30-11:30

Office **Khaled,** BRA 108; **Cole** BMSC 236A **Place** HPA1 ???
Phone **Khaled** 882-2254 **Course home page:**

Email: akhaled@mail.ucf.edu; acole@mail.ucf.edu

Course Description: Designed to provide students with an advanced understanding of the workings of the immune system works, correlating cellular and molecular mechanisms with clinical cases.

Course Objectives: Students should develop a broader and more detailed understanding of the range of immune reactions that occur in normal individuals to maintain health and biological integrity. Some diseases affecting the normal function of the immune response and the pathological consequences of the immune response will also be discussed.

Required Texts: Required text: Kuby Immunology, 5th edition . Supplemental web site for text: www.whfreeman.com/kuby.

Prerequisites: PCB 3523

Evaluation procedures

Test	Description	Weight toward final grade
4 term exams	Covers material covered in one section of course	20% each (lowest grade dropped)
5 homework assignments	Problem-solving questions covering lecture material	4% each
Final exam	Cumulative with emphasis on new material	20%

Additional Policies

Attendance Attendance at lectures is expected and taking exams is mandatory. No make-up exams will be given since one exam score is dropped. No make-up homework assignments will be given.
Academic integrity Review the Code of Conduct at http://reach.ucf.edu/~coursdev/cdrom/tutorials/onfo/directories/tutorials/info.directories/rule/index.htm
Disability Access The University of Central Florida is committed to providing reasonable accommodations for all persons with disabilities. This syllabus is available in alternate forms upon request. Students with disabilities who need accommodations in this course must contact the professor at the beginning of the semester to discuss needed accommodations. No accommodations will be provided until the student has met with the professor to request accommodations. Students who need accommodations must be registered with Student Disability Services, Student Resource Center Room 132, phone (407) 823-2371, TTY/TDD only phone (407) 823-2116, before requesting accommodations from the professor.
Office hours You must make an appointment in advance for a time during the available hours listed above. Appointment may be made after class or by phone or email.

Date	Topic	Chapter	Lecturer	Homework
10-Jan	Overview and history	1	[redacted]	
10-14 Jan	*Late Registration and Add/Drop*			
12-Jan	Cells and Organs	2	[redacted]	
14-Jan	*Grade Forgiveness form deadline*			
14-Jan	*Fees due, last day for full refund*			
14-Jan	Cells and Organs	2	[redacted]	
17-Jan	*Martin Luther King Jr. Day holiday*			
19-Jan	Antibodies	4	[redacted]	
21-Jan	Organization of Immunoglobulin genes	5	[redacted]	

24-Jan	Organization of Immunoglobulin genes	5		
26-Jan	[redacted]			Assign #1 (Chps 1,2,4,5)
28-Jan	Major Histocompatibility Complex	7		
31-Jan	**Exam 1 through Organization of Ig genes**	**1, 2, 4, 5**	**AK**	**Assign#1 due**
2-Feb	Major Histocompatibility Complex	7		
4-Feb	Antigens & Antigen Processing	3, 8		
7-Feb	Antigen Processing and Presentation	8		
9-Feb	T cell receptor	9		
11-Feb	T cell receptor	9		
14-Feb	[redacted]			Assign#2 (Chps 7,3,8,9)
16-Feb	T cell maturation, activation and differentiation		10	
18-Feb	**Exam 2 through T cell receptor**	**7,3,8,9**	**AK**	**Assign #2 due**
21-Feb	T cell maturation, activation and differentiation		10	
23-Feb	B cell generation, activation, and differentiation		11	
25-Feb	B cell generation, activation, and differentiation		11	
28-Feb	Immune effector mechanisms - cytokines	12		
2-Mar	Immune effector mechanisms - complement	13		
4-Mar	[redacted]			Assign #3 (Chps 10-12)
4-Mar	*Withdrawal Deadline*			
7-Mar	Cell-mediated effector responses	14		
9-Mar	**Exam 3 through cytokines**	**10,11,12**	**AK**	**Assign #3 due**
11-Mar	Cell-mediated effector response	14		
14-18 Mar	*Spring Break*			
21 Mar	Leukocyte migration and inflammation	15		
23 Mar	Leukocyte migration and inflammation	15		
25-Mar	MarMarMar Hypersensitivity reactions	16		
28-Mar	Hypersensitivity reactions	16		
30- Mar	[redacted]			Assign #4 (Chps, 13-16)
1-Apr	Immune response to Infectious Disease	17		
4-Apr	**Exam 4 through hypersensitivity**	**13, 14, 15, 16**	**AC**	**Assign #4 due**
6-Apr	Immune response to Infectious Disease	17		
8-Apr	Vaccines	18		
11-Apr	Vaccines	18		
13-Apr	Aids and Other Immunodeficiencies	19		
15-Apr	Aids and Other Immunodeficiencies	19		
18-Apr	Autoimmunity	20		
20-Apr	[redacted]			Assign #5 (Chps. 17-20)
22-Apr	Transplantation Immunology	21		
25-Apr	Cancer and the Immune System	22		**Assign #5 due**
	Final Exam	**Cumulative**	**AK/AC**	

26 Apr-2 Ma *Final Exam period*

Grades Available

Tentative **class schedule with list of topics and corresponding chapters in Kuby.**

Split class

University of Central Florida

Course Action Request Form

■ Course Addition ☐ Course Revision ☐ Course Deletion

Forward to your college office

Course Information NOTE: *Course additions and course revisions must be accompanied by a course syllabus and rationale.*
Note: Departments must also submit an electronic syllabus to the college curriculum person.

College: COM **Department:** BSBS

Department Chair: Dr. P.E. Kolattukudy **Phone:** 407-823-1206

Academic Affairs Approved Instructor: Dr. Shadab A. Siddiqi

	Course Prefix	Number	Title	Credit Hours Ex.: 3(3,0)
Course Prefix				
New or Proposed Revision	PCB	5xxx	Obesity, Diabetes & Metabolic Diseases	3 (3,0)

30 Char. Abbreviation: Obesity, Diabetes, Met Diseases

Course Description (25 word limit) (If course revision, underscore changes.):

This course covers the biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment.

Will lab fees be charged? ☐ Yes ☑ No

Repeat for credit? ☐ Yes ☑ No If yes, indicate the total times this course may be used in the degree program. _____

If course is repeatable, explain what will remain the same and what will change when the course is repeated.

NOTE: *For a repeatable course, indicate in the syllabus what will remain the same and what will change when the course is repeated. Also indicate who approves content before a course is repeated.*

Prerequisite(s) and/or Corequisite(s): PCB 3522 or BCH 4053 or BSC 6432 **Graded S/U?** ☐ Yes ☐ No

Split-Level Class: ☑ Yes ☐ No

If offering a split-level class, complete this section even if it had been approved earlier for individual delivery.

List undergraduate split-level course: PCB 4XXX

NOTE: *Both the graduate and the undergraduate split-level syllabi must be approved through the established university process for approving courses so that there are two separate and complete syllabi for each course. The graduate syllabus should clearly demonstrate more advanced subject matter, expectations, and rigor. Attach both undergraduate and graduate syllabi to this form.*

Term of Offering
When will course be offered?

☐ Odd Fall ■ Odd Spring ☐ Odd Summer

☐ Even Fall ☐ Even Spring ☐ Even Summer ☐ Occasional

Intended Utilization of Course
The course will be used primarily as:

☐ Required Courses ■ Elective Courses

What is the rationale for adding/changing this course?

Obesity, diabetes and their comorbidities pose a serious challenge to public health. There is no course offered at the UCF that covers the current scientific findings and importance of the obesity epidemic and its impact on metabolic disease development. This new course will cover the consequences of the obesity, underlying biochemical, molecular and physiological processes and factors that can lead to prevention and treatment.

What majors require or recommend this course for graduation? None

If not a major requirement, what will be the source of students? Molecular Biology and Microbiology MS and Biotechnol

What is the estimated annual enrollment? 15

Possible duplications and conflicts with other departments or colleges should be discussed with appropriate parties. Please detail discussion you have had.

None

Justification for Course Deletion

Is this course a required course for graduation in a major or prerequisite? ☐ Yes ☑ No

If yes, have the involved major departments been informed, in writing, of proposed deletion? ☐ Yes ☐ No

If not, explain:Course Description (25 word limit) (If course revision, underscore changes.):

Notes:

Approval Signatures

Assoc. Department Chair _____ Date 9/17/10

College Academic Standards _____ Date 9/17/10

Assoc. Dir College Dean _____ Date 9/17/10

Graduate Council _____ Date _____

Graduate Dean _____ Date _____

PCB 5XXX
Obesity, Diabetes and Metabolic Diseases
Spring 2011

Instructor: **Dr. Shadab A. Siddiqi**

Office hours: Tuesday 12:00 PM - 2:00 PM
Wednesday 11:00 AM - 12:00 PM
Thursday 11:00 PM - 1:00 PM

Prerequisite: PCB 3522 or BCH 4053 or BSC 6432

Credit hours: 3.0

Class Time: (Two classes per week; each class for 75 mins)

Location: **TBA**

Course Objective: The objective of this course is to acquaint students with current scientific information on obesity, diabetes and related metabolic diseases; this includes biochemical, molecular and physiological mechanisms responsible for the pathogenesis of obesity, diabetes and their comorbidities. This course will also cover evidence-based therapeutic approaches which include lifestyle (e.g. diet, physical activity), pharmacotherapeutic and other forms of treatment. Students graduating from this course should be able to:

- Understand molecular, biochemical and physiological process involved in the development of obesity, diabetes and related metabolic diseases.
- Read, understand and make a formal presentation of a present peer review article.

Graduate students in this course must show independence and leadership and are expected to carry a heavier assignment related to the presentation of the peer review article.

Text Book: None. A course pack: current literature and supplement readings will be provided.

Exams and Grading: There are a total of two tests (first and a final exam) and one presentation.

Test I	100 point
Test II	100 point
Presentation	50 point

Final Test	100 point
Total:	**350 point**
90% or above	**A**
80% – 89.9%	**B**
70% – 79.9%	**C**
60.0% - 69.9%	**D**
Below 60.0%	**F**

Academic Honesty: Cheating on exams or any other form of academic dishonesty is an offense that will be dealt with as outlined in the **Golden Rule**. Academic dishonesty in any form will not be tolerated. Violations of student academic behavior standards are outlined in The Golden Rule, the University of Central Florida's Student Handbook. See http://www.ucf.edu/goldenrule/ for further details. For more information, please contact the Office of Student Conduct at 823-2851.

Academic Action * Taken by Instructor, Chair, or Dean of College* 1. Counseling, 2. Loss of credit for specific assignment, examination or project. 3. Removal from course with a grade of "F" and/or

Conduct Review Action *Taken by the Office of Student Conduct* 1. Warning 2. Probation 3. Suspension 4. Expulsion 5. Permanent conduct record with UCF accessible by other institutions by request.

Student with Special Needs: Students requiring special accommodations are encouraged to contact Student Disability Services, Administration 149, 823-2371 in the first week of the semester and complete appropriate documents.

Contents:

2. **Pathophysiology of Obesity and Diabetes**
    - Environmental Factors and Eating Disorders
    - Role of Energy Homeostasis
        a. Glucose metabolism
        b. Lipid metabolism
        c. Protein metabolism
    - Role of Hormones, Cytokines and Inflammation
        a. Adipose Tissue
            i. Leptin
            ii. Resistin
            iii. Adiponectin
            iv. Estrogen
            v. IL-6
            vi. PPAR
            vii. TNF-alpha
            viii. MCP-1
        b. Gastrointestinal Signals
            I. Ghrelin
            II. GLP-1
            III. Peptide YY
    - Childhood Obesity and Type 2 Diabetes
        a. Pathophysiology
        b. Comorbidities
        c. Management

3. **Clinical Implications of Obesity and Diabetes**
    - Obesity-induced Type 2 Diabetes
    - Cardiovascular Disease
    - Renal Disease
    - Risks of Cancer
    - Diabetic Retinopathy

4. **Management of Obesity and Diabetes**
    - Diet, Exercise and Behavioral Treatment
    - Current Medical Treatment of Obesity
    - Medical Treatment of Type 2 Diabetes
    - Surgical Approaches to Treatment of Obesity and Diabetes

PCB 4XXX
Obesity, Diabetes and Metabolic Diseases
Spring 2011

Instructor: **Dr. Shadab A. Siddiqi**

Office hours: Tuesday 12:00 PM - 2:00 PM
Wednesday 11:00 AM - 12:00 PM
Thursday 11:00 PM - 1:00 PM

Prerequisite: PCB 3522 or BCH 4053

Credit hours: 3.0

Class Time: (Two classes per week; each class for 75 mins)

Location: **TBA**

Course Objective: The objective of this course is to acquaint students with current scientific information on obesity, diabetes and related metabolic diseases; this includes biochemical, molecular and physiological mechanisms responsible for the pathogenesis of obesity, diabetes and their comorbidities. This course will also cover evidence-based therapeutic approaches which include lifestyle (e.g. diet, physical activity), pharmacotherapeutic and other forms of treatment. Students graduating from this course should be able to:

- Understand molecular, biochemical and physiological process involved in the development of obesity, diabetes and related metabolic diseases.
- Read, understand and develop a synopsis on an assigned peer review article.

Text Book: None. A course pack: current literature and supplement readings will be provided.

Exams and Grading: There are a total of two tests (first and a final exam) and one presentation.

Test I	100 point
Test II	100 point
Synopsis	50 point

Final Test	100 point
Total:	**350 point**
90% or above	**A**
80% - 89.9%	**B**
70% - 79.9%	**C**
60.0% - 69.9%	**D**
Below 60.0%	**F**

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1. Warning 2. Probation 3. Suspension 4. Expulsion 5. Permanent conduct record with UCF accessible by other institutions by request.

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     a. Glucose metabolism
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     c. Protein metabolism
   - Role of Hormones, Cytokines and Inflammation
     a. Adipose Tissue
        i. Leptin
        ii. Resistin
        iii. Adiponectin
        iv. Estrogen
        v. IL-6
        vi. PPAR
        vii. TNF-alpha
        viii. MCP-1
     b. Gastrointestinal Signals
        I. Ghrelin
        II. GLP-1
        III. Peptide YY
   - Childhood Obesity and Type 2 Diabetes
     a. Pathophysiology
     b. Comorbidities
     c. Management

3. **Clinical Implications of Obesity and Diabetes**
   - Obesity-induced Type 2 Diabetes
   - Cardiovascular Disease
   - Renal Disease
   - Risks of Cancer
   - Diabetic Retinopathy

4. **Management of Obesity and Diabetes**
   - Diet, Exercise and Behavioral Treatment
   - Current Medical Treatment of Obesity
   - Medical Treatment of Type 2 Diabetes
   - Surgical Approaches to Treatment of Obesity and Diabetes

Graduate Council Curriculum Committee
Course Agenda for 09-29-2010

College of Arts & Humanities Special Topics

Tabled – waiting for revisions from department. Split class.
THE 5937 Sect 01 CAH-Theatre 3(3,0)
ST: Global Theatre: PR: Admission into the MFA/MA Theatre program or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. *Occasional.*
30 character abbreviation: **ST: Global Theatre**
AGENDA NOTES: Course Addition also being proposed.

Tabled– waiting for revisions from department. Split class.
THE 5937 Sect 01 CAH-Theatre 3(3,0)
ST: Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. *Occasional.*
30 character abbreviation: **ST: Women in Theatre**
AGENDA NOTES: Course Addition also being proposed.

College of Arts & Humanities Course Action Additions

Tabled– waiting for revisions from department. Split class.
THE 5XXX CAH-Theatre 3(3,0)
Cultural Diversity in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Commonality of human experience among various groups through the study of dramatic literature. *Occasional.*
30 character abbreviation: **Cultural Diversity in Theatre**
AGENDA NOTES: Special Topic also being proposed.

Tabled– waiting for revisions from department. Split class.
THE 5XXX CAH-Theatre 3(3,0)
Global Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. Theatrical arts and traditions of various countries with an emphasis on non-western countries. *Occasional.*
30 character abbreviation: **Global Theatre**
AGENDA NOTES: Special Topic also being proposed.

Tabled– waiting for revisions from department. Split class.
THE 5XXX CAH-Theatre 3(3,0)
Theatre for Social Change: PR: Admission into the MFA/MA Theatre programs or C.I. Theatre activists' impact on theatrical art forms. *Occasional.*
30 character abbreviation: **Theatre for Social Change**
AGENDA NOTES: Special Topic also being proposed.

Tabled– waiting for revisions from department. Split class.
THE 5XXX CAH-Theatre 3(3,0)
Women in Theatre: PR: Admission into the MFA/MA Theatre programs or C.I. An overview of women's contributions to theatre. *Occasional.*
30 character abbreviation: **Women in Theatre**
AGENDA NOTES: Special Topic also being proposed.

College of Medicine Special Topics

This is a split class.
PCB 5937 Sect 01 COM-Molecular & Microbiology 3(3,0)
ST: Biomedical Informatics: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. *Occasional.*
30 character abbreviation: **ST:Structure Analysis**

This is a split class.
PCB 5937 Sect 01 COM-Molecular & Microbiology 3(3,0)
ST: Molecular Immunology: PR: PCB 3522 or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of te innate and adaptive immune response. *Occasional.*
30 character abbreviation: **ST: Molecular Immunology**
AGENDA NOTES: Course Addition also being proposed.

This is a split class.
PCB 5937 Sect 01 COM-Molecular & Microbiology 3(3,0)
ST: Obesity, Diabetes & Metabolic Diseases: PR: PCB 3522 or BCH 4053 or BSC 6432. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. *Occasional.*
30 character abbreviation: **ST: Obesity Diabetes & Met Dis**
AGENDA NOTES: Course Addition also being proposed.

College of Medicine Course Action Additions

This is a split class.
PCB 5XXX COM-Molecular & Microbiology 3(3,0)
Biomedical: Structure Analysis: PR: PCB 3522 or equivalent or C.I. Introduction of useful bioinformatics tools and resources on RNA and protein structure analysis. *Fall.*
30 character abbreviation: **Structure Analysis**

This is a split class.
PCB 5XXX COM-Molecular & Microbiology 3(3,0)
Molecular Immunology: PR: PCB 3522 or equivalent. Fundamental functions of the human immune system, focusing on cellular and molecular aspects of the innate and adaptive immune response. *Spring.* 30 character abbreviation: **Molecular Immunology**
AGENDA NOTES: Special Topic also being proposed.

This is a split class.

PCB 5XXX COM-Molecular & Microbiology 3(3,0)

Obesity, Diabetes & Metabolic Diseases: PR: PCB 3522 or BCH 4053 or BSC 6432. Biochemical, molecular and physiological aspects of obesity, diabetes and metabolic diseases and how scientific findings can be translated towards prevention and treatment. *Odd Spring.*

30 character abbreviation: **Obesity Diabetes & Met Disease**

AGENDA NOTES: Special Topic also being proposed.

Engineering & Computer Science Course Action Additions

EEL 5XXX ECS-Electrical & Computer Eng 3(3,0)

Introduction to Medical Robotics and Tele-Operation: PR: EEL 3657 or Medical students in their second year or later. Medical robots for minimally invasive surgery, kinematics, constrained workspace and dexterity, haptics, tele-operation and network based control, basics of laparoscopic surgery. *Occasional.*

30 character abbreviation: **Intro to Medical Robotics_____**

College of Education Special Topics

EDS 6XXX ED-Educational & Human Sci 3(3,0)

Education and National Development: PR: Graduate standing, EDF 6809, or C.I. This course explores current issues and relationships between education and national development by studying multinational institutions and nongovernmental organizations engaged in educational planning worldwide. *Even Spring.*

30 character abbreviation: **Education & National Dev_____**

AGENDA NOTES: Special Topic also being proposed.

EDF 6XXX ED-Teach, Learn & Leadership 3(3,0)

Equitable Educational Opportunity & Life Chances: A Cross-National Analysis: Analysis of how gender, class, race, ethnicity, and language affect the quality and outputs of schooling, with a focus on multinational organizations and NGO's. *Occasional.*

30 character abbreviation: **Equitable Ed Opp & Life Chance**

ERRORS: Term(s) of offering is missing.

EDG 6XXX ED-Teach, Learn & Leadership 3(3,0)

Exploring Global Educational Issues in International Contexts: Guided field experience in global issues challenging the educational community worldwide, from both academic and experiential perspectives. In conjuction with international field experience/study abroad. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*

30 character abbreviation: **Exploring Global Ed Intl Cntxt**

AGENDA NOTES: Special Topic also being proposed.

College of Education Course Action Additions

EDS 6XXX ED-Educational & Human Sci 3(3,0)
Education and National Development: PR: Graduate standing, EDF 6809, or C.I. This course explores current issues and relationships between education and national development by studying multinational institutions and nongovernmental organizations engaged in educational planning worldwide. *Even Spring.*
30 character abbreviation: **Education & National Dev**
AGENDA NOTES: Special Topic also being proposed.

EDF 6XXX ED-Teach, Learn & Leadership 3(3,0)
Equitable Educational Opportunity & Life Chances: A Cross-National Analysis: Analysis of how gender, class, race, ethnicity, and language affect the quality and outputs of schooling, with a focus on multinational organizations and NGO's. *Occasional.*
30 character abbreviation: **Equitable Ed Opp & Life Chance**
ERRORS: Term(s) of offering is missing.

EDG 6XXX ED-Teach, Learn & Leadership 3(3,0)
Exploring Global Educational Issues in International Contexts: Guided field experience in global issues challenging the educational community worldwide, from both academic and experiential perspectives. In conjuction with international field experience/study abroad. May be used in the degree program a maximum of 2 times only when course content is different. *Occasional.*
30 character abbreviation: **Exploring Global Ed Intl Cntxt**
AGENDA NOTES: Special Topic also being proposed.

ESE 6XXX ED-Teaching & Learning Princ 2(2,0)
Capstone Seminar in Secondary Education: PR: ESE 6XXX Intro Seminar in Secondary Education or C.I. As a culminating experience, this seminar provides students with the opportunity to synthesize what they have learned throughout their Master of Arts in Teaching program. *Occasional.*
30 character abbreviation: **Capstone Seminar in Sec Educ**

ESE 6XXX ED-Teaching & Learning Princ 1(1,0)
Introductory Seminar in Secondary Education: PR: Admission to graduate program or CI. Overview of MAT policies and expectations, and exploration on the teaching profession in terms of professional organizations, accomplished practices, publications, issues, and terminology. *Occasional.*
30 character abbreviation: **Intro Sem in Sec Educ**

SSE 6XXX ED-Teaching & Learning Princ 3(3,0)
Foundations and Fundamentals of Teaching History in the K-12 Classroom: PR: Graduate standing or C.I. This course examines empirical research and pedagogical approaches related to the teaching of history in the K-12 classroom environment. *Odd Fall.*
30 character abbreviation: **Foundation of Teaching History**

Rosen College Hospitality Mgmt Course Action Additions

HFT 7XXX RCHM-All departments in RCHM 3(3,0)
Foundations in Hospitality and Tourism: PR: Admission PhD in Hos Ed; Consent of Instructor. Facilitates the introduction of hospitality and tourism research across a broad expanse of industry sectors including but not limited to attractions, events, leisure, foodservice & lodging. *Odd Fall.*
30 character abbreviation: **Foundatns in Hosp & Tour Res**
ERRORS: department not specified.

HFT 7XXX RCHM-Hospitality Services 3(3,0)
Advanced Research Methods in Hos/Tourism: PR: EDF 7403, EDF 7463, Consent of Instructor. Facilitates creating, developing, and solving research problems through the application of appropriate research methods to contemporary issues in the hospitality and tourism industry. *Odd Fall.*
30 character abbreviation: **Adv Research Meth in Hos Tour**

HFT 7XXX RCHM-Hospitality Services 1(1,0)
Research Seminar in Hospitality and Tourism: PR: Admission PhD in Hos Ed; Consent of Instructor. This course includes the presentation of, exposure to and professional critique of current research projects by students. *Even Fall.*
30 character abbreviation: **Res Seminar in Hosp & Tourism**

College of Business Adm Course Action Revisions

ECO 6416 Applied Business Research Tools 3(3,0)
PR: CBA master's program of study ~~foundation core Courses. Open to students on the BSBA./MAAE Track.~~ Core I Course.
Multivariate methods and related tools applied to analyze business and economic data as an aid in decision making.

College of Medicine Course Action Revisions

BSC 6432 ~~Structure-Function-Relationships of Biomolecular Science I~~ 5(5,0)
Biomedical Sciences I
PR: 1) Acceptance in the Molecular Biology and Microbiology master's program, and 2) Biochem I, or Molecular Biology 1 and 2, or Cell Biology.
~~First semester of a two semester sequence with lectures and literature discussion of structures, functions and relationships of action and functions of biomolecules.~~
First semester of a multi-disciplinary course. Topics include metabolic reactions, DNA replication and transcription. Lectures incorporate current scientific findings in the context of biomedical applications.
30 character abbreviation: **Biomedical Sciences I**

BSC 6433 ~~Structure-Function-Relationships of Biomolecular Science II~~ 5(5,0)
Biomedical Sciences II
PR: PCB 3522, and PCB 4524 or BCH 4053 or PCB 3023. Graduate standing.

~~Second semester of a two semester sequence with lectures, literature discussion of structure-function relationships of action and functions of biomolecules.~~
Second semester of a multi-disciplinary course. Topics covered include protein translation, signaling and bioinformatics. Lectures incorporate current scientific findings in the context of biomedical applications.
30 character abbreviation: **Biomedical Sciences II**

This is a split class.
~~PCB 6596~~ ~~Bioinformation and Genomics~~ 3(3,0)
PCB 5XXX Biomedical Informatics: Sequence Analysis
~~PR: Admission to Biomolecular Sciences Ph.D. of C.I.~~ PR: PCB 3522 or equivalent or C.I.
~~New scientific approaches, technologies, and tools for analysis of genomic data genome sequencing projects.~~
Introduction of useful bioinformatics tools and resources on sequence analysis.
30 character abbreviation: **Biomed Informatics Sequence**

College of Sciences Course Action Revisions

PCB 6677 ~~Molecular Evolution~~ 3(3,0)
Molecular Evolution & Phylogenetics
PR: Admission to the M.S. in Biology, Ph.D. in Conservation Biology, or Certificate in Conservation Biology, or C.I.
~~Provides an overview of molecular methods currently used to analyze diversity within and among species.~~
Advanced understanding of evolution at the molecular level based on phylogenetic analysis of changes in DNA, RNA and protein.
30 character abbreviation: **Mol. Evolution & Phylogenetics**

College of Education Course Action Revisions

SPS 6125 ~~Infant Development Assessment~~ ~~3(2,1)~~
Preschool Psychoeducational Assessment 3(3,0)
PR: Graduate admission and C.I.
~~Analysis of test theory and practice in administration, scoring, and interpretation of instruments assessing cognitive, visual-motor ability and adaptive behavior to pre- and primary school children.~~
Analysis of test theory and practice in administration, scoring, and interpretation of instruments assessing cognitive, visual-motor ability and adaptive behavior with pre-school children.
Materials & Supply Fee addition proposed: $0.00
30 character abbreviation: **Preschool Psychoed Assessment**

SPS 6606 ~~School Consultation Techniques~~ 3(3,0)
Consultation in School Psychology
~~PR: C.I.~~ PR: Graduate admission and C.I.
~~Theories and models of school consultation and clinical practice in the consultative role.~~

School Psychology theories and models of school consultation and clinical practice in the consultative role.
30 character abbreviation: **Consultation in School Psych__**

~~EDP 6056~~ ~~Advanced Educational Psychology~~ 3(3,0)
SPS 6XXX Advanced Psychoeducation and Data-Based Decision-Making
PR: Graduate admission and C.I.
Principles of ~~educational psychology~~ advanced psychoeducation for teaching, response to intervention, and ~~educational services~~ data-based decision-making in schools.
30 character abbreviation: **Ad Psyched & Data-Base Dec-Mak**