



The Graduate School

UNIVERSITY OF SOUTH CAROLINA

GRADUATE COUNCIL AGENDA September 24, 2012

AGENDA

To: Graduate Council

Dr. Joseph Quattro, Chair; Drs., Subra Bulusu, Wayne Carver, Erik Drasgow, Edward Gatzke, Minuette Floyd, Michael Hodgson, J. Daniel Jenkins, Kartik Kalaignanam, De Anne Messias, Murray Mitchell, Lauren Sklaroff, Paul Solomon, Tracey Weldon-Stewart, Ercan Turk, Adela Vraciu, Lee Walker, Terrance Weik; John Knox, GSA Representative

CC: President Harris Pastides, Provost Michael Amiridis, Dr. Kristia Finnigan, Deans, Department Chairs, Graduate Directors, and graduate program administrators

From: Dr. Lacy Ford, Vice Provost and Dean of Graduate Studies

RE: Graduate Council Meeting Agenda for September 24, 2012

The Graduate Council will meet on Monday, September 24, 2012 at 2:00 PM in Room 311 Byrnes. The following items will be on the agenda:

1. **Call to Order and Approval of Agenda** (Joseph Quattro)
2. **Approval of minutes** ([Minutes of the August 27, 2012](#)) Approved actions by Graduate Council become effective 30 days after posting [Copy on file at The Graduate School; also posted on The Graduate School website at <http://app.gradschool.sc.edu/gradcouncil/minutes.asp>] as per policy.
3. **Report of the Chair** (Joseph Quattro)
4. **Report of the Dean of Graduate Studies** (Lacy Ford)
5. **Report of the Secretary of the Graduate Council / Associate Dean** (Murray Mitchell)

6. **Report of the Graduate Student Association Representative** (John Knox)
7. **Report of the Academic Policy and Practices Committee** (Paul Solomon)
8. **Report of the 500/600 Level Courses Committee** (Murray Mitchell)

500-600 Level course approvals:

[EMCH 556 Introduction to Risk Analysis and Reactor Safety](#)

[EMCH 578 Introduction to Aerodynamics Pending](#)

[JOUR 555 Publication Design](#)

9. **Fellowships and Scholarships Committee** (Wayne Carver)
10. **Report of Science, Math, and Related Professional Programs Committee** (Ed Gatzke)

COLLEGE OF ARTS AND SCIENCES

Chemistry

Course Change Proposal/Bulletin Change:

[CHEM 719 Special Topics in Inorganic Chemistry](#)

The pre-requisite "consent of Instructor" makes registration for the course difficult and time consuming.

Change in description for CHEM 719 is requested to conform to accepted format for special topics courses.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 721 Electroanalytical Chemistry](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 722 Spectrochemical Methods of Analysis](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 723 Separation Methods in Analytical Chemistry](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 729 Special Topics in Analytical Chemistry](#)

The pre-requisite "consent of Instructor" makes registration for the course difficult and time consuming.

Change in description for CHEM 729 is requested to conform to accepted format for special topics courses.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 735 Structural and Mechanistic Organic Chemistry](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 736 Mechanistic and Synthetic Organic Chemistry](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 739 Special Topics in Organic Chemistry](#)

Change in description for CHEM 739 is requested to conform to accepted format for special topics courses.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 742 Surface Science](#)

The pre-requisite for this course should read "graduate standing OR consent of instructor" (in special situations where graduate standing is not required).

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 747 Spectroscopy and Molecular Structure](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 749 Special Topics in Physical Chemistry](#)

The pre-requisite "consent of Instructor" makes registration for the course difficult and time consuming. Change in description for CHEM 749 is requested to conform to accepted format for special topics courses.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 751 Biosynthesis of Macromolecules](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 752 Regulation and Integration of Metabolism](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 753 Enzymology and Protein Chemistry](#)

The pre-requisite "consent of instructor" makes registration for the course difficult and time consuming.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[CHEM 759 Special Topics in Biochemistry](#)

The pre-requisite "consent of Instructor" makes registration for the course difficult and time consuming.

Change in description for CHEM 749 is requested to conform to accepted format for special topics courses.

[Effective Term: Spring 2013]

Marine Science

Course Change Proposal/Bulletin Change:

[MSCI 752 Marine Biogeochemistry](#)

The current pre-requisite for MSCI 752: Marine Biogeochemistry that requires consent of instructor to register for the course has been deemed unnecessary by the instructor and Director of the program, as it is a course that has educational appeal to most Marine Science graduate students. Thus, registration for the course does not need to be restricted by instructor permission.

[Effective Term: Spring 2013]

Course Change Proposal/Bulletin Change:

[MSCI/GEOL 784 Geophysical Fluid Dynamics](#)

This bulletin change is simply to correct a typographical error in a cross-listed course. The bulletin listing for Geophysical Fluid Dynamics includes ENGR 360 as a prerequisite ; that course was renamed to ECIV 360 some time ago, but the change was not carried over to the course listings for GEOL 784 and MSCI 784.

[Effective Term: Spring 2013]

Physics & Astronomy

New Course Proposal:

[PHYS 751 The Physics of Radiation Therapy](#)

This course provides a breadth of topics beyond the core requirements for graduate students. The topics are relevant to the role of radiological physics in medical, industrial, and societal settings.

[Effective Term: Fall 2012]

New Course Proposal:

[PHYS 752 Health Physics- Radiation and Nuclear Physics](#)

This course provides a breadth of topics beyond the core requirements for graduate students. The topics are relevant to the role of radiological physics in medical, industrial, and societal settings.

[Effective Term: Fall 2012]

New Course Proposal:

[PHYS 753 The Physics of Medical Imaging](#)

This course provides a breadth of topics beyond the core requirements for graduate students. The topics are relevant to the role of radiological physics in medical, industrial, and societal settings.

[Effective Term: Fall 2012]

COLLEGE OF ENGINEERING AND COMPUTING

Academic Program Actions Proposal/Bulletin Change:

[Masters of Science - System Design](#)

The planning, design, construction, production or manufacturing, and operation of complex projects and systems requires the input and participation of different engineering disciplines and may involve design and test phases that may span many levels of hierarchy and abstraction. Traditionally and within specific domains, design and test processes at the level of individual components or sub-systems are well-understood and sound methodologies and tools are presently available. However, comprehensive design at the networked system-of-systems or infrastructure level remains largely ad hoc in nature. Far reaching design decisions are made early on with little or no analysis and major flaws are often not discovered until final integration testing or system deployment.

For this purpose, a new field called system design is developing which is inter-disciplinary and focuses on the design and management of complex projects primarily at the design phase, but also over the lifespan of the project. This requires coordination and management of teams, scheduling processes, tools and facilities to optimize costs and resources, to reduce risk and to meet deadlines and schedules and combines knowledge of both technical and human-related activities and interactions. In addition to the technical knowledge and expertise in the related area of specialization, these activities require a multi-disciplinary approach utilizing knowledge of modeling, simulation and visualization, optimization, risk and reliability analysis, design, development, production and operation of physical systems, operations research, etc.

Almost all undergraduate engineering programs in the United States concentrate mainly on the technical subjects in the area of specialization. However, the topics listed above that are necessary for system design are usually not covered in typical undergraduate curriculum. Thus, a significant number of engineers lack suitable training and learn by trial-and-error once they are on the job. As expected, this could have disastrous consequences for the project. Several educational institutions in the United States have already started to offer an MS degree in Systems Engineering in recent years.

No other institution in South Carolina offers a program for engineers and technical personnel that leads to a Master's of Science degree in System Design - we note a recent graduate certificate program in Systems Engineering at Clemson and a Master's of Engineering in Systems Engineering starting Fall 2012. Our proposed MS program has a significantly different focus than that of Clemson's ME program, as discussed in the section on duplication of programs.

The proposed program is planned to fill this gap to produce necessary, qualified manpower for the economic development of the state and is distinct and complementary to other existing programs. It will build upon existing expertise in the College of Engineering and Computing and fit in

with the strategic direction of the college and university. The output of the program would benefit a range of industries already in the State of South Carolina including defense organizations (communications, weapon systems), power generation and control (including nuclear power stations, grid control), manufacturing systems, automotive and aerospace. An excellent example of the benefits of such a program is to reduce flaws in the design of software and hardware systems used in computer hardware/software design and communication severely reducing the impact of cyber attacks the affects of viruses. Ideally, this will be offered as an executive program but will emphasize a distance education format nationally and internationally.

[Effective Term: Fall 2013]

11. Report of the Humanities, Social Sciences, Education, and Related Professional Programs Committee (J. Daniel Jenkins)

COLLEGE OF ARTS AND SCIENCES

Sociology

Academic Program Actions Proposal/Bulletin Change:

[Sociology MA](#)

SOCY 702 is a pro-seminar introduced into the Sociology graduate curriculum in 2004. The course has proved to be ineffective in achieving its intended goals and in some cases may have been counterproductive. The Sociology program no longer offers the course, and wishes to discontinue it as a requirement for the MA degree.

[Effective Term: Fall 2012]

Academic Program Actions Proposal/Bulletin Change:

[Sociology PhD](#)

SOCY 702 is a pro-seminar introduced into the Sociology graduate curriculum in 2004. The course has proved to be ineffective in achieving its intended goals and in some cases may have been counterproductive. The Sociology program no longer offers the course, and wishes to discontinue it as a requirement for the PhD degree.

[Effective Term: Fall 2012]

COLLEGE OF HOSPITALITY, RETAIL AND SPORT MANAGEMENT

Sport and Entertainment Management

Academic Program Actions Proposal/Bulletin Change:

[Sport and Entertainment Management](#)

According to the most recent Economic Census, sport and entertainment is a \$189.4 billion industry (US Census Bureau, 2010). In South Carolina,

the industry generates approximately \$1.4 billion in revenue. The sport and entertainment industry's capacity to spur economic development in South Carolina, the United States, and internationally depends on the creation of a highly skilled workforce who understands the challenges and opportunities of the increasingly global and customer-focused nature of this dynamic industry. The Department of Sport and Entertainment Management (SPTM) is well positioned to provide exemplary academic preparation for its students, conduct seminal research, and generate industry-based knowledge that foster a prosperous industry.

The sport and entertainment industry grew 5.94% annually from 2002-2007 (US Census Bureau, 2010) with subsequent increased demand for academic degrees focused in these areas. The sport and entertainment industry is likely to continue to expand in the future. A direct byproduct of this continued demand for qualified graduates is the increased need for quality sport and entertainment management programs and qualified faculty (Gillentine, Baker & Cuneen, 2011).

The Department of Sport and Entertainment Management's faculty has grown considerably in size as well as academic and industry reputation since its inception in 1987. The current faculty is comprised of 1 Professor, 5 Associate Professors, 3 Assistant Professors, 1 Senior Instructor, and 3 Instructors. Three additional tenure-track faculty members, including a Professor, are anticipated to join the SPTM department during the 2012-2014 academic years. The faculty includes established researchers in their respective sub-disciplines. In addition to high research productivity, the faculty is committed to innovative instruction. The dual focus on research and teaching will prove to be a beneficial mentorship model for Ph.D. students.

The Department of Sport and Entertainment Management currently offers the Bachelors of Science and Masters of Science degrees. The Department has approximately 601 undergraduate majors, 427 minors, and 53 graduate students, and is considered by peers to be among the best programs in the country. The Department is unique in higher education with a comprehensive sport and entertainment business curriculum. It has successfully developed multiple sport and entertainment industry partnerships.

The introduction of the Ph.D. in **Sport and Entertainment Management** (the "Program") represents the logical next step in the fulfillment of the College's mission and Department's goals, which include national and international recognition as one of the leading graduate programs in the field, as well as encouragement and promotion of a high level of scholarly activity among Department faculty. Students will be given the opportunity to generate industry specific knowledge through exposure to and participation in the academic research with a discipline-specific application. Subsequently, as professors, they will be equipped to disseminate such knowledge to the public and other industry stakeholders. Because of the SPTM department's unique focus on both sport and entertainment management (as opposed to only sport management),

students will develop a distinct and more holistic understanding of both sport management and entertainment management and be better positioned in the academic job market in that the breadth of their training should make them qualified for either sport-specific or entertainment-specific positions within those programs. Furthermore, as more programs incorporate entertainment management, the relative value of our graduates will increase as one of the few doctoral programs with a more holistic view of this curriculum content. Grounded in the notion that the aim of all learning is practical efficacy, the program will be designed with a strong emphasis on preparing candidates to conduct both theoretical and applied research within the broadening domain of sport and entertainment. In addition, a primary goal of the program will be to equip candidates with the skills to be effective teachers and mentors to students, as well as to be a valuable resource for industry professionals.

While academic institutions nationwide are offering an array of undergraduate programs designed to meet the needs of the sport and entertainment industry, there are only 20 doctoral programs in sport management in the United States, none of which have a focus in entertainment management. The proliferation of undergraduate programs around the U.S. and South Carolina necessitates producing additional faculty members with doctoral degrees (There are currently 11 colleges or universities in South Carolina offering a baccalaureate degree in sport management or related major).

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 801 Seminar in SPTE Management](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational accomplishments of a masters-level degree program. While it is acceptable for doctoral students to take some masters-level courses in a doctoral program, a substantial percentage of the required course work should be in courses reserved for doctoral students. The doctoral seminar in sport and entertainment management provides the necessary content to understand advanced management applications in the industry. Furthermore, the seminar format allows for dissemination of advanced knowledge as well as critique and analysis of current and seminal scholarship in the field.

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 810 Seminar in SPTE Education](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational

accomplishments of a masters-level degree program. While it is acceptable for doctoral students to take some masters-level courses in a doctoral program, a substantial percentage of the required course work should be in courses reserved for doctoral students. The doctoral seminar in sport and entertainment management education provides the necessary content to understand the latest methods utilized in university teaching and higher education. Furthermore, the seminar format allows for dissemination of advanced knowledge as well as critique and analysis of current and seminal scholarship of teaching and learning.

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 830 Seminar SPTE Law & Risk Mgmt](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational accomplishments of a masters-level degree program. While it is acceptable for doctoral students to take some masters-level courses in a doctoral program, a substantial percentage of the required course work should be in courses reserved for doctoral students. The doctoral seminar in sport and entertainment law and risk management provides the necessary content to understand advanced applications of law and risk management in the industry. Furthermore, the seminar format allows for dissemination of advanced knowledge as well as critique and analysis of current and seminal scholarship in the field.

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 860 Seminar in SPTE Marketing](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational accomplishments of a masters-level degree program. While it is acceptable for doctoral students to take some masters-level courses in a doctoral program, a substantial percentage of the required course work should be in courses reserved for doctoral students. The doctoral seminar in sport and entertainment marketing provides the necessary content to understand advanced marketing applications in the industry. Furthermore, the seminar format allows for dissemination of advanced knowledge as well as critique and analysis of current and seminal scholarship in the field.

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 890 Seminar in SPTE Finance](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational accomplishments of a masters-level degree program. While it is acceptable for doctoral students to take some masters-level courses in a doctoral program, a substantial percentage of the required course work should be in courses reserved for doctoral students. The doctoral seminar in sport and entertainment finance provides the necessary content to understand advanced financial applications in the industry. Furthermore, the seminar format allows for dissemination of advanced knowledge as well as critique and analysis of current and seminal scholarship in the field.

[Effective Term: Fall 2013]

New Course Proposal:

[SPTE 899 Dissertation Preparation](#)

Accreditation standards (COSMA) for the doctoral degree in sport and entertainment management require scholarly activities designed to advance the student substantially beyond the educational accomplishments of a masters-level degree program. The dissertation provides the necessary content to meet this standard. Furthermore, the dissertation allows for the creation of advanced knowledge in the field.

[Effective Term: Fall 2013]

MOORE SCHOOL OF BUSINESS

Academic Program Actions Proposal/Bulletin Change:

[JD/AMBA](#)

The Darla Moore School of Business in cooperation with the University of South Carolina School of Law offers a combined degree program that permits a student to obtain the J.D. and Accelerated Master of Business Administration (A.M.B.A.) degrees in approximately three and one-half years. Through the combined program, the total course load may be reduced from that required if the two degrees were earned separately since 9 hours of electives toward the J.D. may be earned in the business administration program, and vice versa.

Students in the AMBA/JD program must take 9 credit hours in the Moore School. An additional 9 credit hours in the School of Law will be used to satisfy the 18 elective credit hours required for the AMBA degree. All of these electives must be included in the AMBA program of study. Students must supply the AMBA office with the letter from the law school registrar stating the Law School's approval of participation in the dual degree.

Prior to obtaining admission to the combined degree program, a student must be admitted to both the School of Law and the Moore School of Business.

[Effective Term: Summer-1 2013]

12. Report of the Petitions and Appeals Committee (Rhonda Jeffries)

13. Other Committee Reports

14. Old Business

15. New Business

16. Good of the Order

17. Adjournment