

# *Graduate Council, 2010-2011*

## Graduate Council Program Reviews For Months of February, March and April, 2011

- **Agamemnon Crassidis, Chair**

**Associate Professor, Mechanical Engineering**

**Kate Gleason College of Engineering**

**Phone : (585)475-4730**

**Fax: (585)475-7710**

**E-mail: [alceme@rit.edu](mailto:alceme@rit.edu)**



# *Graduate Council, 2010-2011*

- **Program Proposal Review Procedure**
  - **College Curriculum Committee Approvals**
  - **MyCourses Graduate Council shell**
  - **Present to Graduate Council, two groups were formed: Group A and Group B for review**
  - **Adhere to Graduate Checklist, used to evaluate program proposals**
  - **Solicit vote**
    - **APPROVAL/NOT APPROVE/ABSTAIN**
    - **Re-review if necessary**
  - **Write Graduate Council summary document**
  - **Report results to the Academic Senate**
  - **Upload Word Docs to MyCourses NYSED shell after Academic Senate approval is received**



# Graduate Council, 2010-2011

## ● Graduate Council Program Review Schedule

	<i>week of</i>	CAST	COS	COLA	CIAS	GCCIS	GIS	KGCOE	NTID	SCB	Center for Multi Stud	TOTAL
October	4-8											0
October	11-15		B-2*					A-1***				2
October	18-22		B-2*									1
October	25-29	B-2*	A-3*		A-1*							3
November	1-5	B-2*	A-3**									2
November	8-12	B-2*			A-1***			A-3**				3
November	15-19	B-2*		A-3**						B-1*		3
November	22-26	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
Nov-Dec	29-3	B-2*						B-2*				2
December	6-10	A-2*						B-1**		B-1**		2
December	13-17							A-1*				3
December	20-24	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
December	27-31	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
January	3-7	A-1*						B-2*				3
January	10-14	A-1*			A-1*							2
January	17-21							A-2***				3
January	24-28				B-2a*							3
Jan-Feb	31-4				B-2a*			A-1a*				2
February	7-11	B-1a*						B-2b*				3
February	14-18		A-1a*		B-2a*	B-2b*						3
February	21-25			A-1a*		A-1b*					B-2a*	3
Feb- Mar	28-4	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx	xxxxx
March	7-11		A-1a*			A-1b*						2
March	14-18			B-1a*							B-1b*	2
March	21-25			A-1a*		A-1b*					B-2a***	3
March - April	28-1						A-1a*				B-2a*	4
April	4-8		A-1a*			B-2a*					A-1b*	3
April	11-15		A-1a*		A-1b*				B-2a*			3
April	18-22		A-1a*	A-1b*		B-2a*						3
April	25-29				B-1a*							1
May	2-6				A-1a*	B-2a*						3
May	9-13		A-1a*		B-2a*							3
May	16-20		A-1a**			A-1b**						2
May	23-27											2
May-June	30-3				A-1a*	B-2a*						3
	<b>GRAD</b>	<b>9</b>	<b>8</b>	<b>5</b>	<b>15</b>	<b>8</b>	<b>1</b>	<b>14</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>69</b>
	<b>PhD</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>



# Graduate Council, 2010-2011

- Graduate Council Review Summary Document

Graduate Council Program Review Summary			
<i>Prepared by: Agamemnon Crassidis, Chair, Graduate Council</i>			
Program Title			
Originating College			
Program Contact			
Degree Type			
SCH New Program			
QCH Old Program			
NYSED IRP Code:			
HEGIS Code:			
Conversion Type	Type 1 Conversion: <input type="checkbox"/>	Type 2 Conversion: <input type="checkbox"/>	
Recommendation			
Responsible Sub-Group			
Meeting Date/Time			
Meeting Attendance			
Meeting Location			
Checklist Complete?			
Concerns?			
Discussion			
Vote Tally	Approve:	Not Approve:	Abstain:
Signature	Agamemnon Crassidis		



# *Graduate Council, 2010-2011*

- **Total Number of Program Reviewed**
  - **50 Graduate Programs were approved by Graduate Council to date**
  - **3 Advanced Certificates were approved by Graduate Council to date**
  - **33 Graduate Programs were approved by Academic Senate to date**
  - **2 Advanced Certificates were approved by Academic Senate to date**
  - **31 Graduate Programs were sent to NYSED to date**
  - **29 Graduate Programs were approved by NYSED to date (25 Type 1 and 5 Type 2 conversions)**
  - **18 Graduate Programs remain to be reviewed**



# *Graduate Council, 2010-2011*

- **18 Graduate Programs were Approved**
  - **CIAS MFA in Visual Communication Design**
  - **GCCIS MS in Computer Science**
  - **COLA MS in Criminal Justice**
  - **GCCIS MS in Human-Computer Interaction**
  - **GCCIS MS in Software Engineering**
  - **COLA MS in Experimental Psychology**
  - **SCB MS in Management**
  - **COLA MS in Science, Technology, and Public Policy**
  - **GCCIS MS in Game Design and Development**
  - **SCB Master of Business Administration (MBA)**
  - **GIS MS in Sustainable Systems**
  - **GIS PhD in Sustainability**



## *Graduate Council, 2010-2011*

- **18 Graduate Programs were Approved, Cont.**
  - **SCB MBA Business Administration-Accounting**
  - **KGCOE AC in Vibrations Engineering**
  - **GCCIS MS in Information Technology**
  - **CIAS MST in Visual Arts-All Grades**
  - **COS MS in Chemistry**
  - **NTID MS in Secondary Education of Students who are Deaf or Hard of Hearing (MSSE)**
- **4 Graduate Programs were a Type 2 Conversion**
  - **CIAS MFA in Visual Communication Design**
  - **COLA MS in Experimental Psychology**
  - **GCCIS MS in Game Design and Development**
  - **GCCIS Information Technology**



## *Graduate Council, 2010-2011*

- **CIAS MFA in Visual Communication Design**
  - **Type 2 Conversion, 90 QCH to 60 SCH**
  - **New program is a merger of two existing programs:**
    - MFA in Computer Graphics Design
    - MFA in Graduate Graphic Design
  - **Proposed program merger due to changing industry standards and expectations, “what was once considered two very distinct subjects, is now one discipline encompassing all forms of visual communication”**
  - **There are also enrollment issues in current standalone MFA Graduate Graphic design**
  - **New program better reflects this more holistic approach to design and design education**





## *Graduate Council, 2010-2011*

- **CIAS MFA in Visual Communication Design (cont)**
  - New Program has 3 options: *Communication Design, Interaction Design, Motion and 3D Digital Design*
  - Common core requirement for all options (1<sup>st</sup> sem.)
  - 3 new courses were added, and 10 courses deleted
  - A Thesis is required: VCDE 790 Thesis Research and Planning (3 SCH), VCDE 890 Thesis Implementation & Evaluation (6 SCH)
  - The program contacts will work with Christine Licata's office to develop a transition plan for current students and new prospective students
  - Graduate Council membership was assured that no additional resources are required for merged program
  - **Approve: 11; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

## ● **GCCIS MS in Computer Science**

- **Type 1 Conversion, 45 QCH to 30 SCH**
- **Two paths proposed: Research and Professional**
- **Students taking Research path perform the 6 SCH Thesis option, indented as preparatory for Ph.D.**
- **Students taking Professional path perform the 3 SCH Capstone Project option, intended as a terminal degree**
- **There are 9 proposed clusters with *three* 3 SCH courses comprising each cluster (reduced from *four*)**
- **Concern over large number of international students (~80% of enrollment). Program supervisors are working with Dean of Graduate Studies to increase the number of domestic students.**
- **Approve: 10; Not Approve: 0; Abstain: 0**



## *Graduate Council, 2010-2011*

- **COLA MS in Criminal Justice**
  - Type 1 Conversion, 48 QCH to 30 SCH
  - The Criminal Justice faculty evaluated and revised all courses to reflect recent changes in the field
  - Proposed program has *six* 3 SCH core required courses, *two* 3 SCH electives and a 6 SCH Thesis
  - New program is a 1-year to completion study: courses in Fall and Winter Semesters, Thesis in Summer
  - One required courses was eliminated, two elective courses were eliminated, and one course was changed from a required course to a program elective
  - Grad Council recommended name change of CRIM 701 Advanced Statistics course to better reflect content
  - **Approve: 10; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **GCCIS MS in Human-Computer Interaction**
- **Type 2 Conversion, 52 QCH to 30 SCH**
  - Type 2 since 3 Application Domain option areas were eliminated and two others were added
    - < *The Game Design, Multimedia Application Development, and E-Commerce Management* application domain options were eliminated
    - < *Smart Device Application Design and Development* and *Geographic Information Science and Technology* were added
- **Current program is a Multidisciplinary program in existence since 2008 offered on-campus and on-line**
- **~40 currently students enrolled in the existing program**
- **The current quarter-based program has *five* 4 QCH core courses, *four* 4 QCH program elective courses, 8 *Applications Domain* option areas comprised of *two* 4 QCH courses and an 8 QCH Thesis or Project**



## *Graduate Council, 2010-2011*

- **GCCIS MS in Human-Computer Interaction (cont)**
  - New program has *four* 3 SCH core courses, *two to three* Program Electives, *7 Applications Domain* option areas comprised of *two* 3 SCH courses, and an 6 SCH Thesis or 3 SCH Project culminating experience
  - Several changes to the NYSED form were required:
    - remove “Program Elective” from bottom of Table 1b and include title for Project option
    - Indicate that the “Program Elective” courses in Table 1b are at the 700 level
    - Part D of the NYSED form should indicate “No Change in requirements and material moved to Part A
    - Include second course requirement for the *Smart Device Application Design and Development* applications domain as well as the *Geographic Information Science and Technology*
- **Approve: 10; Not Approve: 0; Abstain: 0**

# *Graduate Council, 2010-2011*

- **GCCIS MS in Software Engineering**
- **Type 1 Conversion, 52 QCH to 36 SCH**
- **Used conversion process to address enrollment issues**
  - A 6 SCH Thesis track was added along with a required Independent Study to provide a research option
  - All *Practicum* courses were removed along with one course
  - A new course (*Foundations of Software Engineering*) was added to help with replacing two bridge courses
- **Graduate Council made following recommendations:**
  - Consider splitting the Thesis credit over two semesters. (3 SCH Thesis in the Fall Semester of Year 2 and 3 SCH Thesis in the Spring Semester of Year 2 for the “Thesis Track” option)
  - Consider moving the 640 Research Methods course earlier in the curriculum
- **Approve: 10; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **COLA MS in Experimental Psychology**
- **Type 2 Conversion, 48 QCH to 30 SCH**
  - Name change from Applied Experimental and Engineering Psychology
  - Added a track
- **Enrollment issues with current program**
  - 6 FTE currently enrolled with 2 more part time students
  - Expecting 15 FTE since program was approved in 2005
- **Two tracks are proposed for new program**
  - Engineering Psychology (PSYC 714 must be taken)
  - Experimental Psychology (PSYC Elective must be taken)
- **New proposed program contains following structure:**
  - Two core courses required for all students
  - A 6 SCH Thesis is required for all students
  - Remaining courses are electives



## *Graduate Council, 2010-2011*

- **COLA MS in Experimental Psychology (cont)**
  - “Institute Elective” courses can be taken from ISEE and HCIN and are available
    - List of available courses was provided
    - ISEE 330 had to be omitted off the list since it is 300 level
  - 7 new courses proposed as part of the semester conversion
  - Goals for semester conversion include:
    - More flexibility for students (increase enrollment)
    - Increased faculty involvement
    - Provide an intermediate step for students interested in Psychology Ph.D.
  - **Approve: 10; Not Approve: 0; Abstain: 0**





# *Graduate Council, 2010-2011*

- **SCB MS in Management**
- **Type 1 Conversion, 48 QCH to 30 SCH**
- **Thesis requirement was eliminated**
  - No MS in Management students have elected to complete a thesis since program inception (1994) and is being dropped
- **The two tracks are being kept for proposed program**
  - Global Management (two required courses, two electives)
  - Technology Management (three required courses, one elective)
- **New proposed program contains following structure:**
  - Students take 10 courses: two core courses, two or three required depending on the option taken, business electives
  - Culminating Element is Comprehensive Exam or a Graduate Project (MGMT-791) in place of one business elective
- **Approve: 10; Not Approve: 0; Abstain: 0**



## *Graduate Council, 2010-2011*

- **COLA MS in Science, Technology, and Public Policy**
  - **Type 1 Conversion, 48 QCH to 30 SCH**
  - **The curriculum was simplified to make it easier for the related BS/MS programs**
    - Combined 4 methods courses into 2 courses
    - Offering an Advanced Methods course for quantitatively-focused students
  - **Proposed program has *five* 3 SCH core required courses, *three* 3 SCH electives and a required 6 SCH Thesis normally taken in the Fall semester of Year 2**
  - **Thesis proposal is developed in a course normally taken in the Spring semester of Year 1**
  - **Approve: 10; Not Approve: 0; Abstain: 0**



## *Graduate Council, 2010-2011*

- **GCCIS MS in Game Design and Development**
  - **Type 2 Conversion, 62 QCH to 33 SCH**
    - Tracks were eliminated (both major and minor tracks)
    - Substantial program changes were also made
  - **The current 2 year program was established in 2006**
    - “common seminar track” in game industry issues
    - “major track” in engine development or game A.I.
    - “minor track” of 3 courses in related areas
    - two-“course” project – capstone design & capstone development
  - **Enrollment numbers are a concern with ~10 entering students a year**
  - **Track structure is problematic in the small program**
  - **Number of courses and tracks make current program unwieldy**



## *Graduate Council, 2010-2011*

- **GCCIS MS in Game Design and Development (cont)**
  - **Used semester conversion as opportunity for redesign**
    - redesigned suite of electives that address changes in the field
    - revised structure such that major track, minor track, and seminar track are replaced with core and electives
    - design course modified to create more linkage between gameplay, media theory, and practice
    - enhanced offerings for applied A.I. for Gameplay
    - added colloquium courses in first year, and industry
  - **New program structure: *three* 3 SCH core courses; *five* SCH advanced electives, *three* 1 SCH seminars; *two* 3 SCH capstone courses = 33 SCH**
  - **Culminating element is capstone project**
  - **Approve: 10; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **SCB Master of Business Administration (MBA)**
  - **Type 1 Conversion, 72 QCH to 49 SCH**
  - **New program structure**
    - *Eight* 3 SCH core courses are required
    - *One* 1 SCH Foundations of Business Ethics course is required
    - *Eight* 3 SCH electives courses complete the degree
  - **Students must complete one concentration made up of three or four elective courses (15 concentrations available plus an additional specialty-type)**
  - **Culminating element is capstone course and includes a comprehensive exam taken in the 16<sup>th</sup> week of the course. Students do not have to take course over if they fail the exam but pass the course.**
  - **Approve: 11; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **GIS MS in Sustainable Systems**
- **Type 1 Conversion, 48 QCH to 30 SCH**
- **Current program structure:**
  - 6 core courses (24 QCH), 4 elective type courses (16 QCH), and 8 QCH of a research component for a total of 48 QCH
- **New proposed program structure:**
  - 6 core courses (18 SCH), 2 elective type courses (6 SCH), and 6 SCH of a research component for a total of 30 SCH
- **3 existing courses were deleted a 3 were added**
- **Culminating element is satisfied by one of following:**
  - 6 SCH Thesis
  - 3 SCH Capstone Course plus 3 SCH Research (gives students some solid research component and experience)
- **Approve: 9; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

## ● **GIS PhD in Sustainability**

### ■ **Type 1 Conversion, 99 QCH to 60 SCH**

### ■ **Current program structure:**

- 6 core courses (24 QCH), at least 9 elective type courses (>= 36 QCH), and 27-39 QCH of a research component for a total of 99 QCH

### ■ **New proposed program structure:**

- 8 courses (24 SCH), 4 flex type courses (12 SCH), and 24 SCH of a research component for a total of 60 SCH

### ■ **Program include 1 SCH required Graduate Seminars**

### ■ **3 existing courses were deleted a 3 were added**

### ■ **Culminating element is 24 SCH Dissertation/Research**

### ■ **Approve: 9; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **SCB MBA Business Administration-Accounting**
- **Type 1 Conversion, 108 QCH to 73 SCH**
- **Proposed structure is set up for 2 types of students:**
  - **Students with no Accounting or Business Background, 73 SCH**
    - < 13 business courses (37 semester hours; ethics = 1 credit), including economics and law; and 12 accounting courses (36 hours) for a total of 36+37=73 SCH
  - **Students with an RIT B.S. degree in Accounting, 30 SCH**
    - < 4 core business courses, 4 accounting courses, 1 non-accounting business elective, and 1 commercial law course
- **A new 1 SCH Ethics course was introduced**
- **New proposed program meets AACSB and NYS CPA requirements**
- **Culminating element is capstone course and includes a comprehensive exam similar to MBA program.**
- **Approve: 10; Not Approve: 0; Abstain: 0**





# *Graduate Council, 2010-2011*

- **KGCOE AC in Vibrations Engineering**
  - **Type 1 Conversion, 16 QCH to 15 SCH**
  - **The current program requires 4 courses (4 QCH each)**
    - 3 required core courses (12 QCH)
    - 1 elective course chosen from a list of four (4 QCH)
  - **New program requires 5 courses total (3 SCH each)**
  - **Rationale for update:**
    - Students can directly apply the courses required for the AC program towards course work completion of either the two Master's programs within Mechanical Engineering
    - The core courses are the same for the AC and the two Master's Degree programs in M.E.
    - New structure makes the AC program attractive to a broader audience of students interested in a Master's degree in M.E.
- **Approve: 10; Not Approve: 0; Abstain: 0**



# *Graduate Council, 2010-2011*

- **GCCIS MS in Information Technology**
- **Type 2 Conversion, 48 QCH to 30 SCH**
  - Program title name change, Information Technology => Information Sciences and Technologies
  - Substantial program changes made (>1/3 in program outcome)
  - Program Options/Concentration changes
- **Used conversion process to redevelop/refocus program**
- **Proposed new program title is more reflective of the program's revised focus**
- **Program goal has changed and resulting outcomes changed to reflect revised goal**
- **12 concentrations were deleted, some had a name change, and a new one was added: Discovery Informatics. New program contains 4 concentrations**



# *Graduate Council, 2010-2011*

## ● **GCCIS MS in Information Technology (cont)**

- **New proposed program structure:**
  - 4 core courses (3 SCH each)
  - 4-5 elective courses depending on culminating element
  - Culminating Element (3-6 SCH)
- **Culminating Element is one of the following**
  - 3 SCH Capstone Course (team based)
  - 6 SCH Project (individually based)
  - 6 SCH Thesis
- **Research methods type course taken in 1<sup>st</sup> semester**
- **4 elective courses comprise a concentration/track**
- **Several “friendly amendment” modifications were required to be made of the submitted documents**
- **Approve: 12; Not Approve: 0; Abstain: 0**



## *Graduate Council, 2010-2011*

- **CIAS MST in Visual Arts-All Grades**
  - **Type 1 Conversion, 48 QCH to 36 SCH**
  - **Proposed program is a one-year program to be completed in two semesters (Fall and Spring)**
    - **6 courses are taken in the Fall semester (18 SCH)**
    - **Culminating element is taken in the Spring semester and includes a 6 SCH Graduate seminar in Art Education, a 3 SCH Professional Practices course, and a 9 SCH Student Teaching element (18 SCH)**
  - **The 9 SCH Student Teaching is performed at an area school**
  - **One new course was added: ARED-702**
  - **One was deleted: the 2 QCH History of Art Education with content placed in ARED-701 course**
  - **Approve: 10; Not Approve: 0; Abstain: 0**

# *Graduate Council, 2010-2011*

## ● **COS MS in Chemistry**

- **Type 1 Conversion, 45 QCH to 30 SCH**
- **The proposed program is structured using a strong student advisor type model**
- **Proposed program is a two-year program to be completed in five semesters (including Summer 1)**
  - **5 Graduate Chemistry Focus courses are required (15 SCH)**
  - **4 Graduate Chemistry Seminars are required (4 SCH)**
  - **1 Graduate Chemistry Writing course is required (1 SCH)**
  - **Culminating element is either a 10 SCH Thesis or a 7 SCH Project with an extra course elective (10 SCH)**
- **Several new courses are proposed, others deleted**
- **Waiver form approval for 1 SCH courses is pending**
- **Approve: 10; Not Approve: 0; Abstain: 0**



## *Graduate Council, 2010-2011*

- **NTID MS in Secondary Education of Students who are Deaf or Hard of Hearing (MSSE)**
  - **Type 1 Conversion, 94 QCH to 66 SCH**
  - **Proposed program is a two-year program**
  - **Proposed program structure is as follows:**
    - **6 required courses are taken in Fall 1 (19 SCH)**
    - **6 required courses are taken in Spring 1 (17 SCH)**
      - < Five 3 SCH courses and a 2 SCH Practicum (may be taken during intercession)
    - **5 required courses are taken in Fall 2 (15 SCH)**
    - **5 required courses are taken in Spring 2 (15 SCH)**
      - < Two 6 SCH Students Teaching courses, one 3 SCH Portfolio course, one 3 SCH elective
  - **The Culminating Element is a 3 SCH Portfolio:**
    - **MSSE-790 Professional Portfolio**
  - **Two courses are being deleted, part of the conversion**
  - **Approve: 9; Not Approve: 0; Abstain: 0**



# *Questions???*

