

UNDERGRADUATE COMMITTEE
AGENDA
NOVEMBER 10, 2009
3:30 P.M.
SCIENCE & TECHNOLOGY, ROOM 2122

I. CALL TO ORDER

II. APPROVAL OF AGENDA

III. VICE PRESIDENT FOR ACADEMIC AFFAIRS

New Courses

INTS 2090 - Selected Topics in International Studies

INTS 2090S - Selected Topics in International Studies

Revised Program

Significant International Content Courses

Selected Topics Announcements

INTS 3090S - Microfinance: Focus on Botswana

INTS 3090S - Public Health and Environmental Sustainability in Botswana

INTS 3090S - Experiential Learning and Cultural Engagement:Costa Rica

IV. COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

➤ **Department of Political Science**

Special Topics Announcement

POLS 4031 - Minority Rhetorics

➤ **Department of Sociology and Anthropology**

Special Topics Announcement

ANTH 3091 - Minority Rhetorics

➤ **Department of Writing and Linguistics**

Course Deletion

WRIT 5230 - Theory of Composition

Special Topics Announcements

WRIT 3030 - Intellectual Property

WRIT 3030 - Minority Rhetorics

WRIT 5030 - Writing about Usability

➤ **Women's and Gender Studies**

Special Topics Announcement

WGST 3090 - Minority Rhetorics

V. COLLEGE OF HEALTH AND HUMAN SCIENCES

New Course

NURS 4160 - Nursing Leadership & Management: Principles and Practice

Course Deletion

NURS 4738 - Nursing Leadership and Management Practicum

Program Revision

B.S.N. Program change to incorporate new course

VI. ALLEN E. PAULSON COLLEGE OF SCIENCE AND TECHNOLOGY

➤ **Department of Biology**

Course Revisions

BIOL 5540 - Advanced Ecology

➤ Title

BIOL 5548 - Conversation Biology

➤ Number, Credit Hour, Contact Hour

➤ **Department of Chemistry**

New Courses

CHEM 2030 - Principles of Chemistry Research

CHEM 4333 - Carbohydrate Chemistry

CHEM 5531- Bioinorganic Chemistry

Course Deletions

CHEM 2031 - Introduction to Chemical Research Methods

CHEM 3610 - Junior Seminar

CHEM 4611 - Senior Seminar

Revised Programs

B.A. Chemistry

B.S. (ACS) Chemistry

➤ **Department of Mathematical Sciences**

Course Deletion

MATH 1234 - Mathematical Applications

➤ **Department of Mechanical and Electrical Engineering**

Course Revision

TEET 4340 - Digital Communications

➤ Number

Revised Program

B.S.E.E.T. Electrical Engineering Technology

VII. OTHER BUSINESS

VIII. ADJOURNMENT

Georgia Southern University
Intra-Campus Memorandum
Undergraduate/Graduate Committee

Vice President for Academic Affairs

TO: Amy Heaston
FROM: Nancy W. Shumaker
DATE: October 15, 2009
SUBJECT: November 10, 2009 UGC Agenda

Attached are the agenda items for the Vice President for Academic Affairs

New Course

INTS 2090/INTS 2090S – Selected Topics in International Studies

Proposed New or Revised Programs

Significant International Content Courses

1. Add INTS 2090S – Selected Topics in International Studies

Selected Topics Announcement

INTS 3090S – Microfinance: Focus on Botswana

INTS 3090S – Public Health and Environmental Sustainability in Botswana

INTS 3090S – Experiential Learning and Cultural Engagement:Costa Rica

Georgia Southern University
New Course Form

Subject: INTS

Number: 2090

Answers to all the following questions must be submitted. Limit total responses to two pages.

- 1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.**
This course is needed to offer a lower-division variable credit hour elective course in Selected Topics in International Studies for students taking courses on-campus.
- 2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.**
No duplication exists
- 3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC)}?**
This course meets the desired requirements for the appropriate accreditation bodies. The Center for International Studies has secured the appropriate approval of all on-campus governing bodies.
- 4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.**
This course will cover selected topics whose goals/objectives will be different each time the course is taught.
- 5. Student Assessment Procedures: Briefly describe how student learning will be assessed.**
This course will cover selected topics whose assessment procedures may be different each time the course taught. Students will complete readings and written assignments.
- 6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.**
Topics may vary and textbooks will be selected accordingly. Methodology will include lectures, reading assignments, individual or group assignments
- 7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.**
Resources have been allocated. There are many faculty members throughout the university who are qualified to teach the course.
- 8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)**
No additional fees are required.

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 309999

College Code: 11 - Provost Department Code: 1009 Department: International Studies

1. Subject: INTS Number: 2090

2. Full Course Title for Catalog: Selected Topics in International Studies
Abbreviated Course Title (max 30 characters): Sel Topics in Int'l Studies
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? No
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)
5. Credit Hours:	<u>1</u> <u>To</u>	<u>3</u>
Billing Hours:	<u>1</u> <u>To</u>	<u>3</u>
Lecture/Seminar Contact Hours:	<u>1</u> <u>To</u>	<u>3</u>
Lab Contact Hours:	— <u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?		<u>Drop-Down</u>
Other Contact Hours:	— <u>Drop-Down</u>	—
Total Contact Hours:	<u>1</u> <u>To</u>	<u>3</u>
	(Low)	(High)
Ratio of Contact Hours to Credit Hours:	<u>1</u> : <u>1</u>	<u>3</u> : <u>3</u>

6. Repeatable for Credit: Yes
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture Drop-down Drop-down Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)				
		Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s):				
	Are prerequisites to be enforced at Registration? <u>Drop-down</u>				

PROPOSED	COURSE CO-REQUISITE(S)			
		Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	Additional co-requisite(s):			
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>			

PROPOSED	CATALOG DESCRIPTION
	Selected Topics in International Studies.

New Course Approval Signature Form

New Course

Proposed Course Subject: INTS
Proposed Course Number: 2090
Proposed Course Title: Selected Topics in International Studies

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College Date

Recommend
 Not Recommend

Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
New Course Form

Subject: INTS
Number: 2090S

Answers to all the following questions must be submitted. Limit total responses to two pages.

- 1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.**
This course is needed to offer a lower-division variable credit hour elective course in Selected Topics in International Studies for students taking courses abroad.
- 2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.**
No duplication exists
- 3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC)}?**
This course meets the desired requirements for the appropriate accreditation bodies. The Center for International Studies has secured the appropriate approval of all on-campus governing bodies.
- 4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.**
This course will cover selected topics whose goals/objectives will be different each time the course is taught.
- 5. Student Assessment Procedures: Briefly describe how student learning will be assessed.**
This course will cover selected topics whose assessment procedures may be different each time the course taught. Students will complete readings and written assignments.
- 6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.**
Topics may vary and textbooks will be selected accordingly. Methodology will include lectures, reading assignments, individual or group assignments
- 7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.**
Resources have been allocated. There are many faculty members throughout the university who are qualified to teach the course.
- 8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)**
No additional fees are required.

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 309999

College Code: 11 - Provost Department Code: 1009 Department: International Studies

1. Subject: INTS Number: 2090S

2. Full Course Title for Catalog: Selected Topics in International Studies
Abbreviated Course Title (max 30 characters): Sel Topics in Int'l Studies
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? No
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)
5. Credit Hours:	<u>1</u> <u>To</u>	<u>3</u>
Billing Hours:	<u>1</u> <u>To</u>	<u>3</u>
Lecture/Seminar Contact Hours:	<u>1</u> <u>To</u>	<u>3</u>
Lab Contact Hours:	— <u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?		<u>Drop-Down</u>
Other Contact Hours:	— <u>Drop-Down</u>	—
Total Contact Hours:	<u>1</u> <u>To</u>	<u>3</u>
	(Low)	(High)
Ratio of Contact Hours to Credit Hours:	<u>1</u> : <u>1</u>	<u>3</u> : <u>3</u>

6. Repeatable for Credit: Yes
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture Drop-down Drop-down Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)				
		Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s):				
	Are prerequisites to be enforced at Registration? <u>Drop-down</u>				

PROPOSED	COURSE CO-REQUISITE(S)			
		Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	And	Subject: _____	Number: _____	
	Additional co-requisite(s):			
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>			

PROPOSED	CATALOG DESCRIPTION
	Selected Topics in International Studies.

New Course Approval Signature Form

New Course

Proposed Course Subject: INTS
Proposed Course Number: 2090s
Proposed Course Title: Selected Topics in International Studies

Approval Signatures

Recommend
 Not Recommend _____ Date
Chairperson, Department Curriculum Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Department/School Chairperson

TEC Review Not Required _____ (Initials of Dept./School Chair or TEC Chair)
 Review Only (no action needed)
 Recommend
 Not Recommend _____ Date
Chairperson, TEC Executive Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Director of University Honors Program
(If Applicable)

Recommend
 Not Recommend _____ Date
Chairperson, College Curriculum Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Dean of the College

Recommend
 Not Recommend _____ Date
Dean of the Graduate College
(If Applicable)

Recommend
 Not Recommend _____ Date
Chairperson, Senate Undergraduate/Graduate Committee

Recommend
 Not Recommend _____ Date
Provost/Vice President for Academic Affairs
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Proposed New or Revised Programs

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 309999

College Code: 11 - Provost Department Code: 1009 Department: International Studies

Current Name of Program (ex., B.S. Mathematics): International Studies - Significant International Content Courses

Proposed New or Revised Name of Program (ex., B.S. Mathematics):

(Regents' format can be found at: <http://www.usg.edu/academics/handbook/section2/2.03/2.03.02.phtml>)

1. Consistent with goals of: (check all that apply)

Accreditation College Department State/Regional Needs
 University Strategic Plan

2. Type: New Preliminary Proposal (Attach in Regents' required format)

OR

Formal Proposal (Attach in Regents' required format)

OR

Revision to Existing Program (Attach in Regents' required format)

OR

Other Program Proposals or Revisions that do not require Regents' approval

3. Proposal for: Other (please specify)

Other: Significant International Content

4. Degree: Drop-down

Other:

5. Total Credit Hours Required:

6. Is this a change in credits (for Revisions only)? Yes No

7. Target Group of Students: Mature Students

8. Additional Resources Needed: (check all that apply)

Computer Needs Distributed Learning Support Equipment Facilities
 Faculty Library Resources Staff Support
 Other

9. A New or Revised Catalog Program Page must be attached.

NOTE: For Revised Catalog Program Pages:

- Refer to *Sample Program Revisions* for layout format.
- Deletions should be in **BOLD** with a **strikethrough**.
- Additions should be in **BOLD ITALICS**.

10. Provide the Justification/Rationale for New or Revised Programs.

The Center for International Studies requests to add to the "Significant International Content" courses, INTS 2090s Selected Topics in International Studies as a lower division variable credit course for students who are studying abroad.

International Studies***INTS 2090S – Selected Topics in International Studies (1-3)***

INTS 2130 - Introduction to International Studies (3)

INTS 3130 - Contemporary World Cultures (3)

INTS/POLS 3239 - Human Rights International Relations (3)

INTS/PRCA 3333 - International Public Relations (3)

INTS/AAST/HIST 3531 - History of Africa Since 1800 (3)

INTS/LAST/HIST 3538 - Modern Latin America (3)

INTS/POLS 4137 - Industrializing Nations (3)

INTS/POLS 4138 - International Terrorism (3)

INTS 4630 - Seminar in International Studies (3)

INTS/HIST 5532 - Modern China (3)

Program Approval Signature Form

New/Revised Program

Current Program Title (ex., *B.S. Mathematics*): B. A. International Studies

Proposed Program Title (ex., *B.S. Mathematics*): _____

Approval Signatures

Recommend
 Not Recommend _____
Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Department/School Chairperson Date

TEC Review Not Required _____ (Initials of Dept./School Chair or TEC Chair)
 Review Only (no action needed)
 Recommend
 Not Recommend _____
Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Dean of the College Date

Recommend
 Not Recommend _____
Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend _____
Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Selected Topics Announcement Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09

(Date Format: 99/99/99) Date Submitted: 09/30/09

(Term Format: 200608) Proposed Effective Term: 201005

College: Associate VPAA

Department Name: Center for International Studies

1. **Subject:** INTS **Number:** 3090S
Full Course Title: Microfinance:Focus on Botswana
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is MORE than 30 characters)

2. **Credit Hours:** 3
Billing Hours: 3
Lecture/Seminar Contact Hours: 27
Lab Contact Hours: —
Other Contact Hours: 18
Total Contact Hours: 45
Ratio of Contact Hours to Credit Hours: 15 : 1

NOTE: Signature page is NOT required for the Selected Topics Announcement Form

REMARKS	<p>And JUSTIFICATION: (Short summary)</p> <p>Microfinance institutions provide financial services to the poor. Micro-lending is much more prevalent in the developing world than in the United States. Not only will the students learn about the theory and practice of micro-finance, they will also have the opportunity to facilitate the process by working in Bostwana with the NGO Somarelang Tikologo. The course will be cross-listed as ECON 4890s. Dr. Donna K. Fisher will be the instructor.</p>
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Georgia Southern University
Selected Topics Announcement Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09

(Date Format: 99/99/99) Date Submitted: 09/30/09

(Term Format: 200608) Proposed Effective Term: 201005

College: Associate VPAA

Department Name: Center for International Studies

1. Subject: INTS Number: 3090S
Full Course Title: Public Health and Environmental Sustainability in Botswana
Abbreviated Course Title (max 30 characters): Public Health in Botswana
(Only abbreviate if Full Course Title is MORE than 30 characters)

2. Credit Hours: 3
Billing Hours: 3
Lecture/Seminar Contact Hours: 27
Lab Contact Hours: —
Other Contact Hours: 18
Total Contact Hours: 45
Ratio of Contact Hours to Credit Hours: 15 : 1

NOTE: Signature page is NOT required for the Selected Topics Announcement Form

REMARKS	And JUSTIFICATION: (Short summary)
	In this course, students will address scientific environmental and social problems of health and illness in general and in Botswana. Through observation and discussions with local public health professionals, students will gain a better understanding of current health problems and environmental hazards in Botswana, assist with the organization and coordination of environmental health programs, and help assess the impact of environmental factors and environmental sustainability on human health. The course will be cross-listed as PUBH 4890s. Dr. Simone Charles will be the instructor.

Georgia Southern University
Intra-Campus Memorandum
Undergraduate/Graduate Committee

College of Liberal Arts and Social Sciences

TO: Caroline D. James
FROM: Janette McBride
DATE: October 16, 2009
SUBJECT: November 10, 2009, Undergraduate Committee Agenda

Attached is the Agenda for the College of Liberal Arts and Social Sciences.

Department of Political Science

Special Topics Announcement
POLS 4031 - Minority Rhetorics

Department of Sociology and Anthropology

Special Topics Announcement
ANTH 3091 - Minority Rhetorics

Department of Writing and Linguistics

Course Deletion
WRIT 5230 - Theory of Composition

Special Topics Announcements

WRIT 3030 - Intellectual Property
WRIT 3030 - Minority Rhetorics
WRIT 5030 - Writing About Usability

Women's and Gender Studies

Special Topics Announcement
WGST 3090 - Minority Rhetorics

Multiple Course Deletions Approval Signature Form

Deleted Courses

Course Subject(s) and Number(s): WRIT 5230

Approval Signatures

Recommend
 Not Recommend _____
Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend _____
Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Dean of the College Date

Recommend
 Not Recommend _____
Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend _____
Provost/Vice President for Academic Affairs Date
(Final sign-off)

***Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.**

Georgia Southern University
Selected Topics Announcement Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) **UC/GC Meeting Date:** 11/10/09
(Date Format: 99/99/99) **Date Submitted:** 09/29/09
(Term Format: 200608) **Proposed Effective Term:** 201001

College: CLASS

Department Name: Writing and Linguistics

1. **Subject:** WRIT **Number:** 3030
Full Course Title: Intellectual Property
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is MORE than 30 characters)

2. **Credit Hours:** 3
Billing Hours: 3
Lecture/Seminar Contact Hours: 3
Lab Contact Hours: 0
Other Contact Hours: 0
Total Contact Hours: 3
Ratio of Contact Hours to Credit Hours: 1 : 1

NOTE: Signature page is NOT required for the Selected Topics Announcement Form

REMARKS	And JUSTIFICATION: (Short summary)
	This course provides an introduction and general overview of fundamental aspects of intellectual property. Students will learn about such topics as the history of copyright laws, fair use, and the public domain. Through readings and class discussion of such issues as music downloading, remix, plagiarism detection services, copy-left, open-source, and creative commons licensing, students will acquire a greater understanding so that they can make informed choices for themselves. Recommended for all majors.

Georgia Southern University
Selected Topics Announcement Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09

(Date Format: 99/99/99) Date Submitted: 09/29/09

(Term Format: 200608) Proposed Effective Term: 201001

College: CLASS

Department Name: Writing & Linguistics

1. Subject: WRIT Number: 5030
 Full Course Title: Writing About Usability
 Abbreviated Course Title (max 30 characters): _____
 (Only abbreviate if Full Course Title is MORE than 30 characters)

2. Credit Hours: 3
 Billing Hours: 3
 Lecture/Seminar Contact Hours: 3
 Lab Contact Hours: 0
 Other Contact Hours: 0
 Total Contact Hours: 3
 Ratio of Contact Hours to Credit Hours: 1 : 1

NOTE: Signature page is NOT required for the Selected Topics Announcement Form

REMARKS	And JUSTIFICATION: (Short summary)
	The course provides students with the theory and practical experience of usability testing, which is a subdiscipline that is rewriting technical communication because of the wide range of usability's applications to a variety of fields. Students will learn about usability issues and the strategies for planning and conducting a test as well as analyzing and presenting the results in a written report, oral presentation, and video highlights tape. This course is applicable for the IT, EET and other engineering fields, as well as Writing and Linguistics majors in technical communication.

Georgia Southern University
Selected Topics Announcement Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09

(Date Format: 99/99/99) Date Submitted: 08/27/09

(Term Format: 200608) Proposed Effective Term: 201001

College: CLASS

Department Name: Women's and Gender Studies

1. Subject: WGST Number: 3090
 Full Course Title: Minority Rhetorics
 Abbreviated Course Title (max 30 characters): _____
 (Only abbreviate if Full Course Title is MORE than 30 characters)

2. Credit Hours: 3
 Billing Hours: 3
 Lecture/Seminar Contact Hours: 3
 Lab Contact Hours: 0
 Other Contact Hours: 0
 Total Contact Hours: 3
 Ratio of Contact Hours to Credit Hours: 1 : 1

NOTE: Signature page is NOT required for the Selected Topics Announcement Form

REMARKS	And JUSTIFICATION: (Short summary)
	This course is designed to introduce a variety of ways of writing and expression. We will hear, analyze, view, speak, and collaborate with the rhetorical strategies of minority voices through documentary film, websites, autobiographies, blogs, academic essays, fiction, articles, poetry, and zines to discover the ways in which minority rhetorics not only challenge and resist the status quo, but also how these rhetorics reveal powerful methods to effect change in the world around us.
	The perspective is primarily rhetorical - but with a strong focus on the rhetorics of minority voices, gender, and the political/social/historical contexts that influence these voices. There is, of course a strong writing element to the course (critical and reflective) in a variety of assignments and genres - and we will be analyzing works that fall within a wide range of genres as well, so that the writing aspect of the course will pay attention to the complex collaboration of form and content.
	The perspective of this course is also a fine example of the University's call to internationalize the curriculum (as supported too by the recent grant to the international studies committee for these endeavors). We will look at writing from around the world, and discuss how writing -- from various voices, in various forms, from various places-- tangibly affects us and the world around us.

Georgia Southern University
Intra-Campus Memorandum

College of Health & Human Sciences

TO: Caroline James
FROM: Fred Whitt
DATE: November 9, 2009
SUBJECT: CHHS Agenda Item for November 10, 2009 Undergraduate Committee Meeting

School of Nursing

New Course

NURS 4160 - Nursing Leadership & Management: Principles and Practice

Course Deletion

NURS 4738 - Nursing Leadership and Management Practicum

Program Revision

BSN Program change to incorporate new course

To: CHHS Chairs Committee
Undergraduate Curriculum Committee

FROM: June Alberto, DNS, RN
Professor and RN-BSN Program Director

RE: Revision of NURS 4138: Nursing Leadership and Management and NURS 4738: Nursing Leadership and Management Practicum for the RN-BSN Program

DATE: October 7, 2009

Please consider this request for revision of one course in the RN-BSN Program. The RN-BSN Program is for Registered Nurses who have previously earned a Diploma or Associate Degree in Nursing and are now earning the Bachelor of Science in Nursing degree. Currently, the RN-BSN students are required to take two Nursing Leadership and Management courses, NURS 4138 - Nursing Leadership and Management, and NURS 4738 - Nursing Leadership and Management Practicum. This proposal is to combine the two courses to better meet the program and course objectives. The RN-BSN Program is online. The faculty believes the combined course will provide a better environment for collaboration among students and interaction between students and faculty. The ease of navigation and interaction in the combined course is expected to contribute to students' learning and thereby to their leadership and management abilities. NURS 4138 will not be deleted because it will continue to be required of the BSN students but not the RN-BSN students. The two current courses are three semester hours each and we propose to combine the courses into one six semester hour course. The total program hours will not change (see attached table).

Thank you for considering this course revision request.

Georgia Southern University
School of Nursing
RN-BSN Nursing Course Requirements

Current RN-BSN Curriculum	Semester Hours	Proposed Deletions For RN-BSN Only	Semester Hours	Proposed New Curriculum For RN-BSN Only	Semester Hours
NURS 3139-Concept. Basis for Nursing	3		3	NURS 3139-Concept. Basis for Nursing	3
NURS 3130-Critical Inquiry-Nursing Research	3		3	NURS 3130-Critical Inquiry-Nursing Research	3
NURS 3230-HLTH Health Assessment across the Lifespan	3		3	NURS 3230-HLTH Health Assessment across the Lifespan	3
NURS 3231-Pharmacology and Other Therapeutic Modalities OR NURS 4132-Complementary Therapeutic Modalities	3		3	NURS 3231-Pharmacology and Other Therapeutic Modalities OR NURS 4132-Complementary Therapeutic Modalities	3
NURS 4133-Complex Nursing Concepts	3		3	NURS 4133-Complex Nursing Concepts	3
NURS 4353- Community Health Nursing	5		5	NURS 4353- Community Health Nursing	5
NURS 4138-Nursing Leadership & Management: HP VIII	3	NURS 4138 Nursing Leadership & Management: HP VIII	3	NURS 4160 Nursing Leadership & Management: Principles and Practice	6
NURS 4738-Nursing Leadership & Management Practicum VIII	3	NURS 4738 Nursing Leadership & Management Practicum VIII	3		
NURS 4229-HP: Critical Analysis of Nursing Concepts	2		2	NURS 4229-HP: Critical Analysis of Nursing Concepts	2
Free Elective	3		3	Free Elective	3
*Proficiency Course Credit Awarded for Nursing Courses after Successful Completion of Six Hours of Nursing Courses in this RN-BSN Program	29		29	*Proficiency Course Credit Awarded for Nursing Courses after Successful Completion of Six Hours of Nursing Courses in this RN-BSN Program	29
TOTAL SEMESTER HOURS	60		60		60

*The School of Nursing follows the Guidelines of Georgia's RN-BSN Articulation Model

Georgia Southern University
New Course Form

Subject: NURS

Number: 4160

Answers to all the following questions must be submitted. Limit total responses to two pages.

1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.

This course is a requirement for students in the RN-BSN program in the Bachelor of Science in Nursing major. This course will strengthen programmatic offerings to keep pace with changing nursing education trends and continue to successfully prepare students for leadership and management roles in the profession.

2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.

This is a nursing major specific course for the students in the RN-BSN program and is not duplicated elsewhere on campus.

3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC)}?

The proposed course meets the desired recommendations of the Commission on Collegiate Nursing Education, the accrediting body for Nursing. This course has been approved by the School of Nursing Curriculum Committee, the School of Nursing faculty, and the College of Health and Human Sciences Chairs Committee.

4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.

At the end of this course, the student should be able to:

1. Apply core knowledge and problem solving principles in evidence based decision making to facilitate the provision of therapeutic nursing from a leadership perspective.
2. Assume responsibility and accountability for delivering safe care.
3. Apply ethical principles in various nursing care settings in the leadership role.
4. Demonstrate critical thinking in exploring relevant phenomena and making judgments to intervene in a therapeutic manner for individuals, families and groups.
5. Manifest leadership in scholarly inquiry and analysis for decision making, critical reasoning, and creative thinking to enhance healthcare outcomes for individuals, families and groups.
6. Manifest caring, compassion, and empathy in the leadership role and foster those attributes in others.
7. Incorporate cultural sensitivity and knowledge in the nursing leadership role.
8. In the leadership role, collaborate with others to achieve optimal potential and well-being.
9. Apply leadership principles to promote high quality patient care in nursing practice.
10. Analyze the impact of health policy on professional nursing practice in multiple settings.
11. Demonstrate leadership strategies utilizing healthcare information and technology to provide nursing care for individuals, families and groups.

5. Student Assessment Procedures: Briefly describe how student learning will be assessed.

Student learning and nursing competency will be evaluated using class participation, quizzes, homework, and exams.

6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.

- a. What is Nursing Management?
- b. Health Care Organizations
- c. Leadership
- d. Nursing Care Delivery
- e. Legalities and Ethics
- f. Power and Politics
- g. Communication
- h. Conflict
- i. Budgeting
- j. Stress Management
- k. Delegating
- l. Health Care Technological Systems
- m. Change

- n. Staffing & Scheduling
- o. Recruiting and Selecting Staff
- p. How to Motivate & Develop Staff

7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.

Sufficient resources currently exist to teach this course

8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)

None

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/6/09
(Term Format: 200608) Proposed Effective Term: 201001
CIP Code: 511614

College Code: 16 - CHHS Department Code: 1604 Department: School of Nursing

1. Subject: NURS Number: 4160

2. Full Course Title for Catalog: Nursing Leadership & Management: Principles and Practice
Abbreviated Course Title (max 30 characters): Leadership and Management
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? Yes

If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)
5. Credit Hours:	<u>6</u>	<u>Drop-Down</u>
Billing Hours:	<u>6</u>	<u>Drop-Down</u>
Lecture/Seminar Contact Hours:	<u>3</u>	<u>Drop-Down</u>
Lab Contact Hours:	<u>9</u>	<u>Drop-Down</u>
Will multiple labs be offered for each lecture section?		<u>Drop-Down</u>
Other Contact Hours:	<u> </u>	<u>Drop-Down</u>
Total Contact Hours:	<u>12</u>	<u>Drop-Down</u>
	(Low)	(High)
Ratio of Contact Hours to Credit Hours:	<u>12 : 6</u>	<u> </u> : <u> </u>

6. Repeatable for Credit: No

("Yes" can count more than once toward graduation. "No" will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture B = Lecture/Supervised Lab E = Supervised Lab Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)			
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	Additional prerequisite(s): Admission into the RN-BSN / RN-MSN nursing program			Minimum Grade: <u>D</u>
	Are prerequisites to be enforced at Registration? <u>Yes</u>			

PROPOSED	COURSE CO-REQUISITE(S)		
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	Additional co-requisite(s):		
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>		

PROPOSED	CATALOG DESCRIPTION
	<p>This combined didactic and clinical course provides the basis for enabling students to function in a collaborative role within a multidisciplinary healthcare team. Core concepts such as nursing leadership, staff and financial management, staffing models, quality and risk management, collaboration and decision making are introduced. A variety of learning strategies are incorporated into the learning environment to promote self evaluation, analysis of current related issues, skill development, leadership capacity, and critical thinking. Students use self reflection to create vision and direction in terms of leadership and professional development goals. Other learning strategies that enhance the student’s ability to function at an optimal level, such as self care, time and organizational strategies, and stress management, and which are important to successful leadership, are studied and applied.</p>

New Course Approval Signature Form

New Course

Proposed Course Subject: NURS
 Proposed Course Number: 4160
 Proposed Course Title: Nursing Leadership & Management: Principles and Practice

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College Date

Recommend
 Not Recommend

Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Multiple Course Deletions Approval Signature Form

Deleted Courses

Course Subject(s) and Number(s): NURS 4738

Approval Signatures

Recommend
 Not Recommend _____
Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend _____
Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend _____
Dean of the College Date

Recommend
 Not Recommend _____
Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend _____
Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend _____
Provost/Vice President for Academic Affairs Date
(Final sign-off)

***Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.**

Georgia Southern University
Proposed New or Revised Programs

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/7/09
(Term Format: 200608) Proposed Effective Term: 201001
CIP Code: 511614

College Code: 16 - CHHS Department Code: 1604 Department: School of Nursing

Current Name of Program (ex., B.S. Mathematics): B.S. N. Nursing

Proposed New or Revised Name of Program (ex., B.S. Mathematics):

(Regents' format can be found at: <http://www.usg.edu/academics/handbook/section2/2.03/2.03.02.phtml>)

1. Consistent with goals of: (check all that apply)

Accreditation College Department State/Regional Needs
 University Strategic Plan

2. Type: New Preliminary Proposal (Attach in Regents' required format)
OR
 Formal Proposal (Attach in Regents' required format)
OR
 Revision to Existing Program (Attach in Regents' required format)
OR
 Other Program Proposals or Revisions that do not require Regents' approval

3. Proposal for: Undergraduate Major Other:

4. Degree: BSN Other:

5. Total Credit Hours Required: 60

6. Is this a change in credits (for Revisions only)? Yes No

7. Target Group of Students: RN-BSN Students

8. Additional Resources Needed: (check all that apply)

Computer Needs Distributed Learning Support Equipment Facilities
 Faculty Library Resources Staff Support
 Other

9. A New or Revised Catalog Program Page must be attached.

NOTE: For Revised Catalog Program Pages:

- Refer to *Sample Program Revisions* for layout format.
- Deletions should be in **BOLD** with a **strikethrough**.
- Additions should be in **BOLD ITALICS**.

10. Provide the Justification/Rationale for New or Revised Programs.

Currently, the RN-BSN students are required to take two Nursing Leadership and Management courses, NURS 4138 - Nursing Leadership and Management, and NURS 4738 - Nursing Leadership and Management Practicum. This proposal is to combine the two courses to better meet the program and course objectives. The RN-BSN Program is online. The faculty believes the combined course will provide a better environment for collaboration among students and interaction between students and faculty. The ease of navigation and interaction in the combined course is expected to contribute to students' learning and thereby to their leadership and management abilities. The two current courses are three semester hours each and we propose to combine the courses into one six semester hour course. The total program hours will not change.

NURSING

B.S.N., 126 HOURS

See Core Curriculum on page **Error! Bookmark not defined.** for required courses in Area A through Area E.

Area A - Essential Skills	9 Hours
Area B - Institutional Options	4 Hours
Area C - Humanities and Fine Arts	6 Hours
Area D - Science, Mathematics, and Technology	11 Hours
CHEM 1140 - Introduction to General and Organic Chemistry (4)	
Environmental Science/Lab (4)	
Elective (Math/Science) (3)	
Area E - Social Science	12 Hours
Elective (3)	
Area F - Courses Appropriate to Major	18 Hours
BIOL 2240 - Microbiology (4)	
CHFD 2137 - Lifespan Development (3)	
KINS 2511 - Human Anatomy and Physiology I Lab (1)	
KINS 2512 - Human Anatomy and Physiology II Lab (1)	
KINS 2531 - Human Anatomy and Physiology I (3)	
KINS 2532 - Human Anatomy and Physiology II (3)	
*STAT 2231 - Introduction to Statistics (3) OR NTFS 2535 - Nutrition and Diet Therapy (3)	
* <i>Statistics required unless taken in Area D</i>	
Health and Physical Education Activities	4 Hours
HLTH 1520 - Healthful Living (2)	
Physical Education Activities (2)	
Orientation	2 Hours
FYE 1220 - First Year Seminar (2)	
Major Requirements	57 Hours
NURS 3111 - Professional Practice Competencies (1)	
NURS 3130 - Critical Inquiry: Nursing Research (3)	
NURS 3139 - Conceptual Basis for Nursing: Health Promotion (3) (RN-BSN and RN-MSN students only)	
NURS 3150 - Introduction to Professional Practice (5)	
NURS 3163 - Nursing Care of Adults (6)	
NURS 3221 - Pharmacologic and Integrative Therapeutics I (2)	
NURS 3222 - Pharmacologic and Integrative Therapeutics II (2)	
NURS 3230 - Health Assessment Across the Lifespan (3)	
NURS 3252 - Mental Health Nursing (5)	
NURS 3332 - Pathophysiology (3)	
NURS 4090 - Selected Topics in Nursing (1-6)	
NURS 4132 - Complementary Therapeutic Modalities (3) (RN-BSN and RN-MSN/CNS students only)	
NURS 4133 - Complex Nursing Concepts (3) (RN-BSN and RN-MSN/CNS students only)	
NURS 4138 - Nursing Leadership and Management: Health Promotion VIII (3)	
NURS 4160 - Nursing Leadership & Management: Principles and Practice (6) (RN-BSN and RN-MSN students only)	
NURS 4229 - Health Promotion: Critical Analysis of Nursing Concepts (2)	
NURS 4351 - Nursing Care of Developing Families (5)	
NURS 4352 - Nursing Care of Children (5)	
NURS 4353 - Community Health Nursing (5)	
NURS 4354 - Advanced Nursing Care of Adults (5)	
NURS 4728 - Nursing Leadership Preceptorship: Practicum VIII (2)	
NURS 4738 - Nursing Leadership and Management Practicum VIII (3) (RN-BSN and RN-MSN students only)	
NURS 4890 - Independent Study (1-3)	
Elective	3 Hours
Foreign Language - Optional	
Minor - Optional	

ADVISEMENT: Pre-Nursing majors are advised in the College of Health and Human Sciences Student Services Center, Hollis Building, Room 0107, (912) 478-1931. Nursing majors (BSN and LPN-BSN students) are advised in the School of Nursing, BSN Office, Nursing/Chemistry Building, Room 2002, (912) 478-5242. RN-BSN and RN-MSN students are advised in the School of Nursing, RN-BSN Office, Nursing/Chemistry Building, Room 2002, (912) 478-5994.

Program Approval Signature Form

New/Revised Program

Current Program Title (ex., *B.S. Mathematics*): RN-BSN
 Proposed Program Title (ex., *B.S. Mathematics*): RN-BSN

Approval Signatures

Recommend
 Not Recommend

_____ Date
 Chairperson, Department Curriculum Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Department/School Chairperson

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

_____ Date
 Chairperson, TEC Executive Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Director of University Honors Program
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Chairperson, College Curriculum Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Dean of the College

Recommend
 Not Recommend

_____ Date
 Dean of the Graduate College
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Chairperson, Senate Undergraduate/Graduate Committee

Recommend
 Not Recommend

_____ Date
 Provost/Vice President for Academic Affairs
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Intra-Campus Memorandum
Undergraduate/Graduate Committee

College of Science & Technology

TO: Caroline D. James
FROM: Shahnnavavae
DATE: November 9, 2009
SUBJECT: COST Agenda for Nov. 10, 2009 UC Meeting

The following are the curriculum items of the College of Science & Technology for the Nov. 10, 2009 Undergraduate Committee meeting.

Department of Biology

Course Revisions

BOL 5540 - Advanced Ecology (title)

BIOL 5548 - Conversation Biology (course number, credit hour, contact hour)

Department of Chemistry

New Courses

CHEM 2030 - Principles of Chemistry Research

CHEM 4333 - Carbohydrate Chemistry

CHEM 5531 - Bioinorganic Chemistry

Course Deletions

CHEM 2031 - Introduction to Chemical Research Methods

CHEM 3610 - Junior Seminar

CHEM 4611 - Senior Seminar

New/Revised Programs

BA Chemistry

BS (ACS) Chemistry

Department of Mathematical Sciences

Course Deletions

MATH 1234 - Mathematical Applications

Department of Mechanical and Electrical Engineering

Course Revision

TEET 4340 - Digital Communications (course number)

New/Revised Programs

B.S. Electrical Engineering Technology

Georgia Southern University
Course Revision Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/9/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: _____

College Code: 15 - COST Department Code: 1510 Department: Biology

1. Current Course: Subject: BIOL Number: 5540
Full Course Title: Advanced Ecology

2. Course Change: Title Drop-down
Drop-down Drop-down
Drop-down Drop-down

Complete the remainder of this form based on your selection(s) in item #2.

3. Revised Course: Subject: _____ Number: _____
Full Course Title: Ecology
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is ***MORE*** than 30 characters)

4. Is this course cross-listed with other courses? Drop-down
If Yes, please list the cross-listed course(s) below.
Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

******The Dept(s) offering the cross-listed course must submit a Course Revision Form for each course.******

5. Does this course revision require a program revision? No
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the Course Revision so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)
6. Credit Hours:	— <u>Drop-Down</u>	—
Billing Hours:	— <u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	— <u>Drop-Down</u>	—
Lab Contact Hours:	— <u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?		<u>Drop-Down</u>
Other Contact Hours:	— <u>Drop-Down</u>	—
Total Contact Hours:	— <u>Drop-Down</u>	—
	(Low)	(High)
Ratio of Contact Hours to Credit Hours:	— : —	— : —

7. Repeatable for Credit: Drop-down
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

8. Additional Fees: Drop-down If yes, amount: _____

9. Level: Drop-down Drop-down Drop-down

10. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

11. Schedule Type: Drop-down Drop-down Drop-down
(Default)

***Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 6) ***

CURRENT	COURSE PREREQUISITE(S)				
		Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s):				
PROPOSED	COURSE PREREQUISITE(S)				
		Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s):				
	Are prerequisites to be enforced at Registration? <u>Drop-down</u>				

CURRENT	COURSE CO-REQUISITE(S)		
		Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	Additional co-requisite(s):		
PROPOSED	COURSE CO-REQUISITE(S)		
		Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	Additional co-requisite(s):		
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>		

CURRENT	CATALOG DESCRIPTION
PROPOSED	CATALOG DESCRIPTION

REMARKS	And JUSTIFICATION: (Short summary)
	"Advanced Ecology" is a title that was carried over from the quarter system. It no longer effectively describes the content of the course. The course is a basic introduction to the principles of ecology, thus, the new title.

Course Revision Approval Signature Form

Revised Course

Current Course Subject: BIOL
 Current Course Number: 5540
 Current Course Title: Advanced Ecology

Proposed Course Subject: BIOL
 Proposed Course Number: 5540
 Proposed Course Title: Ecology

Approval Signatures

Recommend _____
 Not Recommend _____
 Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend _____
 Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend _____
 Not Recommend _____
 Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend _____
 Not Recommend _____
 Director of University Honors Program Date
(If Applicable)

Recommend _____
 Not Recommend _____
 Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend _____
 Dean of the College Date

Recommend _____
 Not Recommend _____
 Dean of the Graduate College Date
(If Applicable)

Recommend _____
 Not Recommend _____
 Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend _____
 Not Recommend _____
 Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Course Revision Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/9/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: _____

College Code: 15 - COST Department Code: 1510 Department: Biology

1. Current Course: Subject: BIOL Number: 5548
Full Course Title: Conservation Biology
2. Course Change: Credit Hour Drop-down
Number - Must Fill Out Entire Form Drop-down
Other - Please Justify in the Remarks Drop-down

Complete the remainder of this form based on your selection(s) in item #2.

3. Revised Course: Subject: BIOL Number: 5534
Full Course Title: Conservation Biology
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is MORE than 30 characters)

4. Is this course cross-listed with other courses? No
If Yes, please list the cross-listed course(s) below.
Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

*****The Dept(s) offering the cross-listed course must submit a Course Revision Form for each course.*****

5. Does this course revision require a program revision? No
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the Course Revision so they can submit revisions if necessary.

	Low (Must Be Completed)		High (Only for variable hours)
6. Credit Hours:	<u>3</u>	<u>Drop-Down</u>	—
Billing Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lab Contact Hours:	—	<u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?			<u>No</u>
Other Contact Hours:	—	<u>Drop-Down</u>	—
Total Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
	(Low)		(High)
Ratio of Contact Hours to Credit Hours:	<u>3 : 3</u>		— : —

7. Repeatable for Credit: No
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

8. Additional Fees: No If yes, amount: _____

9. Level: S1-Undergraduate Drop-down Drop-down

10. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

11. Schedule Type: A = Lecture (default) Drop-down Drop-down
(Default)

***Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 6) ***

CURRENT	COURSE PREREQUISITE(S)								
	Subject:	<u>BIOL</u>	Number:	<u>2107</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>	
	And	Subject:	<u>BIOL</u>	Number:	<u>2107L</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And	Subject:	<u>BIOL</u>	Number:	<u>2108</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And	Subject:	<u>BIOL</u>	Number:	<u>2108L</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	Additional prerequisite(s): BIOL 3133								
PROPOSED	COURSE PREREQUISITE(S)								
	Subject:	<u>BIOL</u>	Number:	<u>2107</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>	
	And	Subject:	<u>BIOL</u>	Number:	<u>2107L</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And	Subject:	<u>BIOL</u>	Number:	<u>2108</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And	Subject:	<u>BIOL</u>	Number:	<u>2108L</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	Additional prerequisite(s): BIOL 3133								
	Are prerequisites to be enforced at Registration? <u>No</u>								

CURRENT	COURSE CO-REQUISITE(S)				
	Subject:	_____	Number:	_____	
	And	Subject:	_____	Number:	_____
	And	Subject:	_____	Number:	_____
	And	Subject:	_____	Number:	_____
	Additional co-requisite(s):				
PROPOSED	COURSE CO-REQUISITE(S)				
	Subject:	_____	Number:	_____	
	And	Subject:	_____	Number:	_____
	And	Subject:	_____	Number:	_____
	And	Subject:	_____	Number:	_____
	Additional co-requisite(s):				
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>				

CURRENT	CATALOG DESCRIPTION
	Explores the causes and consequences of the loss of biodiversity, as well as methods for conserving rare species and ecosystems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.
PROPOSED	CATALOG DESCRIPTION
	Explores the causes and consequences of the loss of biodiversity, as well as methods for conserving rare species and ecosystems. Graduate students will be given an extra assignment determined by the instructor that undergraduates will not be required to do.

REMARKS	And JUSTIFICATION: (Short summary)
	We propose to remove the lab from this course for two reasons. First, the topic of the course is of broad appeal to students, and many more students could take the course without the constraints of a lab. Second, the basic lab content- including principles of ecology, field biology, and experimental design- is covered in a range of other upper-level Biology classes. Removing the lab will change the "contact hour" and "credit hour" for the course.

Course Revision Approval Signature Form

Revised Course

Current Course Subject: BIOL
 Current Course Number: 5548
 Current Course Title: Conservation Biology

Proposed Course Subject: BIOL
 Proposed Course Number: 5534
 Proposed Course Title: Conservation Biology

Approval Signatures

Recommend _____
 Not Recommend Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*

Review Only *(no action needed)*

Recommend _____
 Not Recommend Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend _____
 Not Recommend Director of University Honors Program Date
(If Applicable)

Recommend _____
 Not Recommend Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend Dean of the College Date

Recommend _____
 Not Recommend Dean of the Graduate College Date
(If Applicable)

Recommend _____
 Not Recommend Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend _____
 Not Recommend Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
New Course Form

Subject: CHEM

Number: 2030

Answers to all the following questions must be submitted. Limit total responses to two pages.

- 1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.**
Required for major. After a careful review and consideration of the current status of the Chemistry Program at GSU it was decided that a single new course would still satisfy certification requirements of the American Chemical Society and would better serve the needs of our majors in today's work environment. This new course will be combining and updating material from three existing courses: CHEM 2031 (Introduction to Chemical Research Methods), CHEM 3610 (Jr. Seminar), and CHEM 4611 (Sr. Seminar), which are being deleted.
- 2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.**
After a review of the 2009-2010 catalog, no duplicating or overlapping course exists.
- 3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC))}?**
Yes, this course is required to satisfy requirements for certification by the American Chemical Society (ACS).
- 4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.**
Objectives
Students will
 1. Examine the various careers for chemists
 2. Study the various post-graduate options for BS chemists including how and when to apply for these positions
 3. Gain research skills necessary for the profession
 4. Gain computer skills necessary for the profession
 5. Learn proper laboratory safety including waste handling
 6. Gain oral and written presentation skills for various venues
Learning Outcomes:
By the conclusion of the course students will be able to
 1. Demonstrate mastery in the use of Excel for data gathering, analysis, and advanced statistics
 2. Demonstrate mastery in the use of Word for writing technical reports including the use of data tables and the equation editor
 3. Demonstrate mastery in the use of drawing software for chemical molecules and inserting these renderings into Word reports
 4. Identify and avoid plagiarism, understand scientific ethics, and properly reference sources in standard journal formats
 5. Execute a search of the chemical literature
 6. Research a topic of their interest
 7. Use the correct format and voice for scientific writing
 8. Understanding the various career fields and options available in their major
 9. Demonstrate interview skills
 10. Read and interpret MSDS sheets
 11. Properly label chemicals and materials handling outside of routine laboratory conditions
 12. Classify and handle wastes
 13. Appropriately use and care for routinely encountered laboratory equipment
 14. Gain experience presenting scientific information to an audience of peers in both written and oral format
 15. Write a resume/personal statement/CV
- 5. Student Assessment Procedures: Briefly describe how student learning will be assessed.**
Student learning will be assessed through exams, in-class group work, oral and written presentations, and a cumulative final exam.
- 6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.**

Topics will include career options such as graduate school, pre-professional schools, law schools, GBI, FBI, chemical companies, scientific research skills such as Sci-Finder Scholar, Galileo, GSU library, computer skills such as Excel, Word, RasMol, and Protein Explorer, laboratory safety, resume writing and interview skills, and scientific material presentation skills.

Course material will be delivered in lecture format, active learning exercises, and group discussion/investigation which will enhance student participation and learning. The students will have a capstone project that focuses on the primary literature that they will present in both an oral and written format.

Typical texts for the course will be "The ACS Style Guide" by Dodd, "Great Jobs for Chemistry Majors" by Rowh, and department in-house materials generated by several faculty members.

- 7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.**

This new course combines and replaces three existing courses: CHEM 2031 (Introduction to Chemical Research Methods), CHEM 3610 (Jr. Seminar), and CHEM 4611 (Sr. Seminar), which are being deleted. This reduction in courses will allow this course to be taught without the need for any additional resources. Any of the tenured or tenure-track faculty member currently in the department could teach this course. There are no additional library resources required to implement this course and all the technology resources needed for this course are already currently available within the chemistry department.

- 8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)**

The proposed course does not require any additional fees.

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 400501

College Code: 15 - COST Department Code: 1511 Department: Chemistry

1. Subject: CHEM Number: 2030
2. Full Course Title for Catalog: Principles of Chemistry Research
Abbreviated Course Title (max 30 characters): Princ. of Chemistry Research
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? Yes
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)	
5. Credit Hours:	<u>3</u>	<u>Drop-Down</u>	—
Billing Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lab Contact Hours:	—	<u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?			<u>Drop-Down</u>
Other Contact Hours:	—	<u>Drop-Down</u>	—
Total Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
	(Low)		(High)
Ratio of Contact Hours to Credit Hours:	<u>3 : 3</u>		— : —

6. Repeatable for Credit: No
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture Drop-down Drop-down Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)				
	And	Subject: <u>CHEM</u>	Number: <u>3341</u>	Concurrent: <u>No</u>	Minimum Grade: <u>C</u>
	And	Subject: <u>CHEM</u>	Number: <u>2242</u>	Concurrent: <u>Yes</u>	Minimum Grade: <u>C</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s): Are prerequisites to be enforced at Registration? <u>Yes</u>				

PROPOSED	COURSE CO-REQUISITE(S)				
	And	Subject: _____	Number: _____		
	And	Subject: _____	Number: _____		
	And	Subject: _____	Number: _____		
	And	Subject: _____	Number: _____		
	Additional co-requisite(s): Are co-requisites to be enforced at Registration? <u>Drop-down</u>				

PROPOSED	CATALOG DESCRIPTION				
	A course designed to develop basic research and laboratory skills in chemistry majors. Skills to be covered include literature and scientific writing, scientific ethics, report writing, presentation skills, waste handling, chemical labeling, MSDS sheets, and appropriate use of common equipment. Additional topics to be covered include career options for chemists and resume/interviewing skills.				

New Course Approval Signature Form

New Course

Proposed Course Subject: CHEM
Proposed Course Number: 2030
Proposed Course Title: Principles of Chemistry Research

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee
(If Applicable) _____ Date

Recommend
 Not Recommend

Department/School Chairperson _____ Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee _____ Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program _____ Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee _____ Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College _____ Date

Recommend
 Not Recommend

Dean of the Graduate College _____ Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee _____ Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs _____ Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
New Course Form

Subject: CHEM

Number: 4333

Answers to all the following questions must be submitted. Limit total responses to two pages.

1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.

This course is already regularly taught under CHEM 3090 (Selected Topics) heading. This course is required for majors to obtain the 11 cr. hrs. upper-level chemistry courses needed for certification of their degree by the American Chemical Society. The course has always been well-received by the students and will continue to be offered, and as such it needs to have its own identity in the catalog.

2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.

After a review of the 2009-2010 catalog, no duplicating or overlapping course exists.

3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC)}?

Yes, this course is required to satisfy requirements for certification by the American Chemical Society (ACS).

4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.

Objectives:

Students will

1. Understand the basic structures of carbohydrates including mono- and polysaccharides
2. Evaluate methods used the synthesis of carbohydrates
3. Explore the biological roles of carbohydrates
4. Improve oral and written presentation skills on scientific topics

Learning Outcomes:

By the conclusion of the semester student should be able to

1. Recognize basic structural types, functional groups, and selected biologically relevant sugars
2. Name simple sugars
3. Understand the stereochemical relationships between monosaccharides
4. Interconvert the straight-chain and various ring forms of monosaccharides
5. Recognize several classes of polysaccharides based upon their chemical structures and know their respective sources
6. Relate the physical state and properties of selected polysaccharides to their chemical structures
7. Classify glycosidic linkages using the arrow notation
8. Understand the mechanism of hemiacetal formation
9. Write a curved-arrow mechanism for enzymatic and solution-phase glycosidation reactions
10. Evaluate the relative energies of the "chair" conformations of D- and L-hexoses
11. Relate the insolubility of cellulose to the 3D structure of cellobiose
12. Understand how polymers like alginates chelate metal ions
13. Predict the products of carbohydrate-based reactions
14. Explain how carbohydrates function in your body
15. Explain and illustrate why carbohydrate chemistry and biology are active areas of research
16. Present scientific information to an audience of peers

5. Student Assessment Procedures: Briefly describe how student learning will be assessed.

Student learning will be assessed through exams, group work, oral and written presentations, and a cumulative final exam.

6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.

Topics will include:

I. Carbohydrate Basics

- a. Basic structural types, functional groups, and selected biologically relevant sugars
- b. Stereochemical relationships between monosaccharides
- c. Mechanism of hemiacetal formation
- d. Nomenclature

- e. Thermodynamics
- II. Polysaccharides
- a. Classification
 - b. Solubility
 - c. Polymerization
- III. Mono and Di-Saccharide Synthesis
- a. Reactions
 - b. Mechanistic Concerns
- IV. Biological Roles of Carbohydrates
- a. Carbohydrates in the Body
 - b. Emerging Areas of Research

Course material will be delivered in lecture format, active learning exercises, and group discussion/investigation which will enhance student participation and learning. The students will have a capstone project that focuses on the primary literature which they will present in both oral and written format.

The typical text used will be Carbohydrate Chemistry by David and Fairbanks.

- 7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.**

This course is already taught regularly under the CHEM 3090 (Selected Topics) heading and as such will require no additional university or faculty resources to continue teaching it. Currently there are two tenured faculty and one tenure-track faculty within the chemistry department capable of teaching this course. All the necessary library and technology resources required for this course already exist at GSU.

- 8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)**

The proposed course does not require any additional fees.

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 400504

College Code: 15 - COST Department Code: 1511 Department: Chemistry

1. Subject: CHEM Number: 4333

2. Full Course Title for Catalog: Carbohydrate Chemistry
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? Yes
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	Drop-Down	High (Only for variable hours)
5. Credit Hours:	<u>3</u>	<u>Drop-Down</u>	—
Billing Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lab Contact Hours:	—	<u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?			<u>Drop-Down</u>
Other Contact Hours:	—	<u>Drop-Down</u>	—
Total Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
	(Low)		(High)
Ratio of Contact Hours to Credit Hours:	<u>3</u> : <u>3</u>		— : —

6. Repeatable for Credit: No
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture Drop-down Drop-down Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)			
	And	Subject: <u>CHEM</u>	Number: <u>3342</u>	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>
	Additional prerequisite(s):			Minimum Grade: <u>C</u>
	Are prerequisites to be enforced at Registration? <u>Yes</u>			Minimum Grade: <u>D</u>
				Minimum Grade: <u>D</u>
				Minimum Grade: <u>D</u>

PROPOSED	COURSE CO-REQUISITE(S)		
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	Additional co-requisite(s):		
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>		

PROPOSED	CATALOG DESCRIPTION
	This course provides students with an introduction to the chemistry of carbohydrates. Topics include structural aspects, stereochemistry, synthesis, conformational analysis, polysaccharides, and vaccine development.

New Course Approval Signature Form

New Course

Proposed Course Subject: CHEM
Proposed Course Number: 4333
Proposed Course Title: Carbohydrate Chemistry

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee
(If Applicable) _____ Date

Recommend
 Not Recommend

Department/School Chairperson _____ Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee _____ Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program _____ Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee _____ Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College _____ Date

Recommend
 Not Recommend

Dean of the Graduate College _____ Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee _____ Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs _____ Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
New Course Form

Subject: CHEM

Number: 5531

Answers to all the following questions must be submitted. Limit total responses to two pages.

- 1. Need for the Course: Identify the need for the course; for example, required for the major, for certification, elective, etc.**
This course has already been offered under the CHEM 3090 (Selected Topics) course heading and was well-received by the students. This course will be one of the upper-level major elective courses required for majors to obtain the 11 cr. hrs. upper-level chemistry courses needed for certification of their degree by the American Chemical Society. Bioinorganic Chemistry, no longer a 'fledgling' field in the realm of chemistry, needs to continue to be offered to expose our student majors to the current state-of-the-art in their career field.
- 2. Similarity with existing course: Include a clear statement indicating that a thorough examination has been made of other departments/units/colleges and discuss to what extent this course duplicates or overlaps existing course(s). If course duplication occurs, provide a justification for a similar course and a description of dialogues that have occurred with the department(s) where the duplication exists.**
After a review of the 2009-2010 catalog, no duplicating or overlapping course exists.
- 3. Accreditation/Licensure approval: Does this course meet the desired requirements for the appropriate accreditation bodies? Has the proposing unit secured the appropriate approval of all on-campus governing bodies {(e.g., Teacher Education Committee (TEC)}?**
Yes, this course is required to satisfy requirements for certification by the American Chemical Society (ACS).
- 4. Course Goals/Objectives: Clearly outline the objectives of the proposed course. Describe the student learning outcomes that are expected from this course.**
Course Objectives:
Students will
 1. Investigate metals in biological systems
 2. Examine spectroscopic methods suitable for studying bioinorganic molecules
 3. Investigate one and two electron carriers in redox reactions
 4. Examine oxygen carrier metalloproteins
 5. Evaluate primary literature relevant to bioinorganic chemistry
 6. Improve oral and written presentations skills on scientific topics
Learning Outcomes:
By the conclusion of the course, student should be able to:
 1. State the biologically relevant metal ions and define chemical properties of the metal centers essential to biological function
 2. Provide examples of how the synthetic analog approach enhances our understanding of the chemistry of biological metal centers
 3. Suggest appropriate physical methods for studying metal centers in biological systems, identify important spectroscopic tags associated with metal-ligand interactions, and propose experimental approaches toward studying biological metal centers
 4. Describe the pathways of metal ion transport and storage
 5. Draw mechanistic pathways for non-redox enzymes including hydrolases and phosphatases and describe the role of the metal center in these pathways
 6. Draw mechanistic pathways for dioxygen transport and activation in both heme and non-heme systems
 7. Interpret multi-electron redox pathways involving organic radical cofactors and metal centers
 8. Interpret the primary literature
 9. Write and speak critically in a sound scientific manner
- 5. Student Assessment Procedures: Briefly describe how student learning will be assessed.**
Student learning will be assessed through exams, in-class group work and out-of-class assignments, oral and written presentations, and a cumulative final exam.
- 6. Course Content Outline: Provide a list of topics covered by the course, methodology used to deliver material, and typical materials (e.g., texts) used within the course.**
Topics will include:
 - I. Inorganic Chemistry
 - a. Hard and soft acid-base classifications
 - b. Electron structure of metals
 - c. Geometric considerations
 - d. Common ligand types

- II. Biochemistry
 - a. Protein enzyme structure
 - b. Nucleic acids
 - c. Site-directed mutagenesis
- III. Group I and Group II Saga
- IV. Instrumentation and Methods
 - a. X-ray
 - b. Magnetic resonance
 - c. Mossbauer spectroscopy
 - d. Electronic and vibrational spectroscopy
- V. Metallotransport and Storage
 - a. Transport and storage of iron within organisms
 - b. Obtaining iron from the environment
- VI. Metalloproteins
 - a. Dioxygen carriers
 - b. Blue-Copper proteins
 - c. Iron-Sulfur proteins
- VII. Metalloenzymes
 - a. Superoxide dismutase
 - b. Cytochrome P-450
- VII. Metals and Medicine
 - a. Metal-based drugs
 - b. Metal toxicity

Course material will be delivered in lecture format, active learning exercises, and group discussion/investigation which will enhance student participation and learning. The students will have a capstone project that focuses on the primary literature which they will present in both oral and written format.

Typical text used will be Principles of Bioinorganic Chemistry by Lippard and Berg.

- 7. University Resources Statement: Provide information concerning what university resources will be required for this course. Do we currently have faculty trained and available to teach this course? Does the university have equipment/technology/software/etc. required? Does the institution have the library resources needed by the instructor or by students taking this class? If insufficient resources currently exist to teach this course, please indicate what is needed and the unit's plan to garner these resources.**

This course is already taught regularly under the CHEM 3090 (Selected Topics) heading and as such will require no additional university or faculty resources to continue teaching it. Currently there are two tenured faculty and one tenure-track faculty within the chemistry department capable of teaching this course. There are no additional library or technology resources required to implement this course.

- 8. Fee Explanation (when appropriate): If the proposed course requires an additional fee, explain what it is and how the fee will be used. (Implementation of a special course fee must be approved per university policy.)**

The proposed course does not require any additional fees.

(Please complete curriculum form which follows)

Georgia Southern University
New Course Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 400599

College Code: 15 - COST Department Code: 1511 Department: Chemistry

1. Subject: CHEM Number: 5531

2. Full Course Title for Catalog: Bioinorganic Chemistry
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is MORE than 30 characters)

3. Will this course be cross-listed with other courses? No
If Yes, please list the cross-listed courses below.

Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

A New Course Form or Course Revision Form MUST be submitted for each cross-listed course. Forms will not be accepted by the Recording Secretary unless forms for all cross-listed courses are submitted from each College

4. Will this course be listed on any program page(s)? Yes
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the New Course so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)	
5. Credit Hours:	<u>3</u>	<u>Drop-Down</u>	—
Billing Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
Lab Contact Hours:	—	<u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?			<u>Drop-Down</u>
Other Contact Hours:	—	<u>Drop-Down</u>	—
Total Contact Hours:	<u>3</u>	<u>Drop-Down</u>	—
	(Low)		(High)
Ratio of Contact Hours to Credit Hours:	<u>3 : 3</u>		— : —

6. Repeatable for Credit: No
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

7. Additional Fees: No If yes, amount: _____

8. Level: S1-Undergraduate Drop-down Drop-down

9. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

10. Schedule Type: A = Lecture Drop-down Drop-down Drop-down
(Default)

*****Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 5) *****

PROPOSED	COURSE PREREQUISITE(S)				
		Subject: <u>CHEM</u>	Number: <u>5541</u>	Concurrent: <u>Yes</u>	Minimum Grade: <u>C</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	And	Subject: _____	Number: _____	Concurrent: <u>No</u>	Minimum Grade: <u>D</u>
	Additional prerequisite(s):				
	Are prerequisites to be enforced at Registration? <u>Yes</u>				

PROPOSED	COURSE CO-REQUISITE(S)		
		Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	And	Subject: _____	Number: _____
	Additional co-requisite(s):		
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>		

PROPOSED	CATALOG DESCRIPTION
	This course explores the function of metal ions in biochemistry, the appropriate physical methods for studying biological metal centers, and the pathways of electron transfer in biomolecules. Topics include metal ion transport and storage, oxygen carriers, and metals in medicine.

New Course Approval Signature Form

New Course

Proposed Course Subject: CHEM
Proposed Course Number: 5531
Proposed Course Title: Bioinorganic Chemistry

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Department/School Chairperson Date

TEC Review Not Required _____ (Initials of Dept./School Chair or TEC Chair)
 Review Only (no action needed)
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College Date

Recommend
 Not Recommend

Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Multiple Course Deletions Approval Signature Form

Deleted Courses

Course Subject(s) and Number(s): CHEM 2031, CHEM 3610, and CHEM 4611

Approval Signatures

Recommend
 Not Recommend _____ Date
Chairperson, Department Curriculum Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Department/School Chairperson

TEC Review Not Required _____ (Initials of Dept./School Chair or TEC Chair)
 Review Only (no action needed)
 Recommend
 Not Recommend _____ Date
Chairperson, TEC Executive Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Director of University Honors Program
(If Applicable)

Recommend
 Not Recommend _____ Date
Chairperson, College Curriculum Committee
(If Applicable)

Recommend
 Not Recommend _____ Date
Dean of the College

Recommend
 Not Recommend _____ Date
Dean of the Graduate College
(If Applicable)

Recommend
 Not Recommend _____ Date
Chairperson, Senate Undergraduate/Graduate Committee

Recommend
 Not Recommend _____ Date
Provost/Vice President for Academic Affairs
(Final sign-off)

***Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.**

Georgia Southern University
Proposed New or Revised Programs

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: _____

College Code: 15 - COST Department Code: 1511 Department: Chemistry

Current Name of Program (ex., B.S. Mathematics): B.A. Chemistry

Proposed New or Revised Name of Program (ex., B.S. Mathematics):

(Regents' format can be found at: <http://www.usg.edu/academics/handbook/section2/2.03/2.03.02.phtml>)

1. Consistent with goals of: (check all that apply)

Accreditation College Department State/Regional Needs
 University Strategic Plan

2. Type: New Preliminary Proposal (Attach in Regents' required format)

OR

Formal Proposal (Attach in Regents' required format)

OR

Revision to Existing Program (Attach in Regents' required format)

OR

Other Program Proposals or Revisions that do not require Regents' approval

3. Proposal for: Undergraduate Major

Other:

4. Degree: BA

Other:

5. Total Credit Hours Required: 126

6. Is this a change in credits (for Revisions only)? Yes No

7. Target Group of Students: Undergraduates

8. Additional Resources Needed: (check all that apply)

Computer Needs Distributed Learning Support Equipment Facilities
 Faculty Library Resources Staff Support
 Other

9. A New or Revised Catalog Program Page must be attached.

NOTE: For Revised Catalog Program Pages:

- Refer to *Sample Program Revisions* for layout format.
- Deletions should be in **BOLD** with a **strikethrough**.
- Additions should be in **BOLD ITALICS**.

10. Provide the Justification/Rationale for New or Revised Programs.

The additional chemistry courses added as "Major Electives" in the catalog page will allow certification of our B.A. degree by the American Chemical Society (previously only our B.S. degree has been ACS certified). This certification will allow the students to be more competitive in applying to post-baccalaurate programs and employment. Furthermore, CHEM 3610 (Junior Seminar) and CHEM 2031 (Introduction to Chemical Research Methods) were deleted as they have been replaced by the new CHEM 2030 (Principles of Chemistry Research) course. Additionally, it was decided by the department to allow majors seeking the new certified B.A. degree to graduate with Honors and so the new Departmental Honors criteria was added to reflect this option.

CHEMISTRY B.A., 126 HOURS

See Core Curriculum for required courses in Area A through Area E.

Area A - Essential Skills..... 9 Hours

~~MATH 1113 - Pre-Calculus (4)~~

Area B - Institutional Options 4 Hours

Area C - Humanities and Fine Arts..... 6 Hours

Area D - Science, Mathematics, and Technology 11 Hours

Area E - Social Science..... 12 Hours

Area F - Courses Appropriate to Major 18 Hours

CHEM 1145 - Principles of Chemistry I (4) and CHEM 1146 - Principles of Chemistry II (4)

MATH 1441 - Calculus I (4)

MATH 2242 - Calculus II (4)

PHYS 1113 - Physics Lab I (1)

PHYS 1114 - Physics Lab II (1)

PHYS 2211 - Principles of Physics I (3)

PHYS 2212 - Principles of Physics II (3)

(Students must complete Principles of Chemistry I and II, Principles of Physics I and II, and Calculus I and II)

Health and Physical Education Activities..... 4 Hours

HLTH 1520 - Healthful Living (2)

Physical Education Activities (2)

Orientation..... 2 Hours

FYE 1220 - First Year Seminar (2)

Specific Requirements..... 7 Hours

~~CHEM 2031 - Research Methods (3)~~

CHEM 2030 - Principles of Chemistry Research (3)

CHEM 2242 - Analytical Chemistry (4)

Major Requirements 28 ~~21~~ Hours

CHEM 3140 - Advanced Inorganic Chemistry (4)

CHEM 3341 - Organic Chemistry I (4)

CHEM 3342 - Organic Chemistry II (4)

CHEM 3441 - Physical Chemistry I (4)

~~CHEM 3610 - Junior Seminar (1)~~

CHEM 5541 - Biochemistry I (4)

Major Electives: (8 hours)

Students must take 8 hours selected from the list below, including at least one of the courses designated with an asterisk.

CHEM 3010 - Scientific Glassblowing (1)

CHEM 3790 - Teaching Internship (0-1)

*CHEM 4242 - Electrochemical Analysis (4)

*CHEM 4243 - Principles of Chemical Separations (4)

*CHEM 4244 - Advanced NMR Spectroscopy (4)

*CHEM 4331 - Advanced Organic Chemistry (3)

*CHEM 4332 - Principles of Drug Design (3)

*CHEM 4333 - Carbohydrate Chemistry (3)

CHEM 4790 - Chemistry Internship (0-4)

CHEM 4890 - Chemical Research Experience (0-4)

*CHEM 5243 - Environmental Chemistry (4)

*CHEM 5531 - Bioinorganic Chemistry (3)

*CHEM 5542 - Biochemistry II (4)

Foreign Language Requirements (2002 Level).....0-6 Hours

Minor (Required)..... 15 Hours

Electives (At least 3 hours must be outside Chemistry)..... 4-10 ~~11-17~~ Hours

ADVISEMENT: Chemistry Faculty, Nursing/Chemistry Building, Room 2003C, Phone: (912) 478-5681.

PROGRAM ADMISSION CRITERIA:

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

OTHER PROGRAM REQUIREMENTS:

- Chemistry majors must earn a minimum grade of “C” in each Chemistry course which applies toward graduation.

HONORS IN CHEMISTRY

To graduate with Honors in Chemistry a student must:

- be admitted to the University Honors Program
- complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry
- maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation

This degree is certified by the American Chemical Society (ACS).

Program Approval Signature Form

New/Revised Program

Current Program Title (ex., *B.S. Mathematics*): B.A. Chemistry

Proposed Program Title (ex., *B.S. Mathematics*):

Approval Signatures

Recommend
 Not Recommend

 Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

 Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

 Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

 Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

 Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

 Dean of the College Date

Recommend
 Not Recommend

 Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

 Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

 Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Proposed New or Revised Programs

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/15/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: _____

College Code: 15 - COST Department Code: 1511 Department: Chemistry

Current Name of Program (ex., B.S. Mathematics): B.S. Chemistry (ACS)

Proposed New or Revised Name of Program (ex., B.S. Mathematics): B.S. Chemistry

(Regents' format can be found at: <http://www.usg.edu/academics/handbook/section2/2.03/2.03.02.shtml>)

1. Consistent with goals of: (check all that apply)

Accreditation College Department State/Regional Needs
 University Strategic Plan

2. Type: New Preliminary Proposal (Attach in Regents' required format)

OR

Formal Proposal (Attach in Regents' required format)

OR

Revision to Existing Program (Attach in Regents' required format)

OR

Other Program Proposals or Revisions that do not require Regents' approval

3. Proposal for: Undergraduate Major Other:

4. Degree: BS Other:

5. Total Credit Hours Required: 126

6. Is this a change in credits (for Revisions only)? Yes No

7. Target Group of Students: Undergraduates

8. Additional Resources Needed: (check all that apply)

Computer Needs Distributed Learning Support Equipment Facilities
 Faculty Library Resources Staff Support
 Other

9. A New or Revised Catalog Program Page must be attached.

NOTE: For Revised Catalog Program Pages:

- Refer to *Sample Program Revisions* for layout format.
- Deletions should be in **BOLD** with a **strikethrough**.
- Additions should be in **BOLD ITALICS**.

10. Provide the Justification/Rationale for New or Revised Programs.

This revision to the program will provide students with a certified degree from the American Chemical Society in keeping with the new certification guidelines. Additional updates were also made to update the catalog page to curricular changes made within the department: CHEM 2030 (Principles of Chemistry Research) has replaced CHEM 2031 (Introduction to Chemical Research Methods), CHEM 4333 (Carbohydrate Chemistry) and CHEM 5531 (Bioinorganic Chemistry) are new courses previously taught as CHEM 3090 (Selected Topics), and CHEM 3610 (Junior Seminar) and CHEM 4611 (Senior Seminar) have been deleted as they are no longer taught. Also, since all chemistry degrees offered at GSU are now certified by the American Chemistry Society (previously only the B.S. degree was certified) it was decided to remove (ACS) from the degree name as it no longer reflects a unique aspect of the degree. Lastly, the Departmental Honors in Chemistry requirements were updated to reflect the department's current philosophy in that for a major to graduate with "honors" they should have a strong academic performance in science (3.5 GPA in major-required courses) and also some "capstone" experience that demonstrates their ability to understand and explain advanced scientific topics as set forth by the departmental Honors Committee (this will typically be experimental research or literature review that is either submitted for journal publication or else presented at professional scientific conferences or a departmental seminars of faculty and students).

CHEMISTRY

B.S.CHEM. (ACS), 126 HOURS

See Core Curriculum for required courses in Area A through Area E.

Area A - Essential Skills..... 9 Hours

~~MATH 1112 - Trigonometry (3) OR MATH 1113 - Pre-Calculus (4)~~

Area B - Institutional Options 4 Hours

Area C - Humanities and Fine Arts..... 6 Hours

Area D - Science, Mathematics, and Technology 11 Hours

Area E - Social Science..... 12 Hours

Area F - Courses Appropriate to Major 18 Hours

CHEM 1145 - Principles of Chemistry I (4) and CHEM 1146 - Principles of Chemistry II (4)

MATH 1441 - Calculus I (4)

MATH 2242 - Calculus II (4)

PHYS 1113 - Physics Lab I (1)

PHYS 1114 - Physics Lab II (1)

PHYS 2211 - Principles of Physics I (3)

PHYS 2212 - Principles of Physics II (3)

(Students must complete Principles of Chemistry I and II, Principles of Physics I and II, and Calculus I and II)

Health and Physical Education Activities..... 4 Hours

HLTH 1520 - Healthful Living (2)

Physical Education Activities (2)

Orientation..... 2 Hours

FYE 1220 - First Year Seminar (2)

Specific Requirements..... 7 Hours

~~CHEM 2031 Introduction to Research Methods in Chemistry (3)~~

~~CHEM 2030 - Principles of Chemistry Research (3)~~

CHEM 2242 - Analytical Chemistry (4)

Major Requirements 39 41 Hours

CHEM 3140 - Advanced Inorganic Chemistry (4)

CHEM 3341 - Organic Chemistry I (4)

CHEM 3342 - Organic Chemistry II (4)

CHEM 3441 - Physical Chemistry I (4)

CHEM 3442 - Physical Chemistry II (4)

~~CHEM 3610 - Junior Seminar (1)~~

CHEM 4241 - Instrumental Analysis (4)

~~CHEM 4611 - Senior Seminar (1)~~

CHEM 5541 - Biochemistry I (4)

Major Electives: (11 hours)

Students must take 11 hours from the list below, including at least two of the courses designated with an asterisk.

CHEM 3010 - Scientific Glassblowing (1)

CHEM 3790 - Teaching Internship (~~variable 0-1~~)

*CHEM 4242 - Electrochemical Analysis (4)

*CHEM 4243 - Principles of Chemical Separations (4)

*CHEM 4244 - Advanced NMR Spectroscopy (4)

*CHEM 4331 - Advanced Organic Chemistry (3)

*CHEM 4332 - Principles of Drug Design (3)

*CHEM 4333 - Carbohydrate Chemistry (3)

CHEM 4790 - Chemistry Internship (~~variable 0-4~~)

CHEM 4890 - Chemical Research Experience (~~variable 0-4~~)

*CHEM 5243 - Environmental Chemistry (4)

*CHEM 5531 - Bioinorganic Chemistry (3)

*CHEM 5542 - Biochemistry II (4)

Electives (At least 3 hours must be outside Chemistry)..... 14 12 Hours

ADVISEMENT: Chemistry Faculty, Nursing/Chemistry Building, Room 2003C, Phone: (912) 478-5681.

PROGRAM ADMISSION CRITERIA:

- Students who wish to change their major to Chemistry must have a total institution GPA of 2.0 or better in all course work completed at Georgia Southern.
- Transfer students from other institutions who wish to major in Chemistry must have a GPA of 2.0 or better on all credit hours attempted at other institutions as well as those hours attempted at Georgia Southern.

OTHER PROGRAM REQUIREMENTS:

- Chemistry majors must earn a minimum grade of "C" in each chemistry course which applies toward graduation.

Certified by the American Chemical Society and recommended for students who wish to become professional chemists.

HONORS IN CHEMISTRY

~~Commencement of pursuit of Honors in Chemistry requires that a student must have a minimum GPA of 3.2 based on 45 hours of coursework and must obtain approval of the Department of Chemistry faculty.~~

~~To graduate with Honors in Chemistry, a student must:~~

~~• Complete the Bachelor of Science in Chemistry (American Chemical Society certified degree).~~

~~• Complete two upper-level honors Chemistry courses with a minimum grade of "B" in each course.~~

~~• Maintain a minimum GPA of 3.0 in Chemistry.~~

~~• Complete a research project of 4 semester credits of CHEM 4890 that encompasses a minimum of 3 semesters of effort. The entire project must be under the primary direction of one faculty member.~~

~~• Complete a research thesis on a research project under the direction of a thesis committee.~~

~~• Present a departmental seminar on this project.~~

To graduate with Honors in Chemistry a student must:

- *be admitted to the University Honors Program*
- *complete a capstone project equivalent to three credit hours with a measurable outcome approved by the Department of Chemistry*
- *maintain a 3.3 overall GPA, including a minimum GPA of 3.5 in all major courses applied toward graduation*

This degree is certified by the American Chemical Society (ACS).

Program Approval Signature Form

New/Revised Program

Current Program Title (*ex., B.S. Mathematics*): B.S. Chemistry (ACS)
 Proposed Program Title (*ex., B.S. Mathematics*): B.S. Chemistry

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Department/School Chairperson Date

TEC Review Not Required _____ (*Initials of Dept./School Chair or TEC Chair*)
 Review Only (*no action needed*)
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College Date

Recommend
 Not Recommend

Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Multiple Course Deletions Approval Signature Form

Deleted Courses

Course Subject(s) and Number(s): MATH 1234

Approval Signatures

Recommend
 Not Recommend

Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend
 Not Recommend

Director of University Honors Program Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend
 Not Recommend

Dean of the College Date

Recommend
 Not Recommend

Dean of the Graduate College Date
(If Applicable)

Recommend
 Not Recommend

Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend
 Not Recommend

Provost/Vice President for Academic Affairs Date
(Final sign-off)

***Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.**

Georgia Southern University
Course Revision Form

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/09/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 150399

College Code: 15 - COST Department Code: 1506 Department: Mech & Elec Engr Tech

1. Current Course: Subject: TEET Number: 4340
Full Course Title: Digital Communications
2. Course Change: Number - Must Fill Out Entire Form Drop-down
Catalog Description Drop-down
Drop-down Drop-down

Complete the remainder of this form based on your selection(s) in item #2.

3. Revised Course: Subject: TEET Number: 5340
Full Course Title: Digital Communications
Abbreviated Course Title (max 30 characters): _____
(Only abbreviate if Full Course Title is *MORE* than 30 characters)

4. Is this course cross-listed with other courses? No
If Yes, please list the cross-listed course(s) below.
Subject: _____ Number: _____
Subject: _____ Number: _____
Subject: _____ Number: _____

****The Dept(s) offering the cross-listed course must submit a Course Revision Form for each course.****

5. Does this course revision require a program revision? Yes
If yes, a Revised Program Form must be submitted for each program on which the course is listed. Please contact other Department(s)/College(s) to inform them of the Course Revision so they can submit revisions if necessary.

	Low (Must Be Completed)	High (Only for variable hours)
6. Credit Hours:	<u>4</u> <u>Drop-Down</u>	—
Billing Hours:	<u>4</u> <u>Drop-Down</u>	—
Lecture/Seminar Contact Hours:	<u>3</u> <u>Drop-Down</u>	—
Lab Contact Hours:	<u>2</u> <u>Drop-Down</u>	—
Will multiple labs be offered for each lecture section?		<u>Drop-Down</u>
Other Contact Hours:	— <u>Drop-Down</u>	—
Total Contact Hours:	<u>5</u> <u>Drop-Down</u>	—
	(Low)	(High)
Ratio of Contact Hours to Credit Hours:	<u>5</u> : <u>4</u>	— : —

7. Repeatable for Credit: No
(“Yes” can count more than once toward graduation. “No” will only count once toward graduation.)

8. Additional Fees: No If yes, amount: _____

9. Level: S1-Undergraduate Drop-down Drop-down

10. Grade Mode: N = Normal Drop-down Drop-down Drop-down
(Default)

11. Schedule Type: B = Lecture/Supervised Lab A = Lecture (default) E = Supervised Lab
(Default)

***Please be sure that Schedule Type matches Lecture, Lab, or Other Hour Type (# 6) ***

CURRENT	COURSE PREREQUISITE(S)							
	Subject:	<u>TEET</u>	Number:	<u>5245</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	Additional prerequisite(s):							
PROPOSED	COURSE PREREQUISITE(S)							
	Subject:	<u>TEET</u>	Number:	<u>5245</u>	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	And Subject:	_____	Number:	_____	Concurrent:	<u>No</u>	Minimum Grade:	<u>D</u>
	Additional prerequisite(s):							
	Are prerequisites to be enforced at Registration? <u>Yes</u>							

CURRENT	COURSE CO-REQUISITE(S)			
	Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	Additional co-requisite(s):			
PROPOSED	COURSE CO-REQUISITE(S)			
	Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	And Subject:	_____	Number:	_____
	Additional co-requisite(s):			
	Are co-requisites to be enforced at Registration? <u>Drop-down</u>			

CURRENT	CATALOG DESCRIPTION
	In this course students will investigate digital modulation techniques including ASK, FSK, BPSK, QAM and M-ary schemes. They will also gain in-depth knowledge of analog-to-digital conversion principles; and explore practical real-world communications applications including wireless communications, cell phone technology and consumer communications systems.
PROPOSED	CATALOG DESCRIPTION
	Students will investigate digital modulation techniques including ASK, FSK, BPSK, QAM and M-ary schemes; gain in-depth knowledge of analog-to-digital conversion principles; and explore practical real-world communications applications including wireless communications, cell phone technology, and consumer communications systems. Also includes laboratory activities in support of instruction. Graduate students will be required to complete an independent research project, not required of undergraduate students.

REMARKS	And JUSTIFICATION: (Short summary)
	This course is converted to a 5000 level so it could be used both for undergraduate as well as graduate students. In addition, the course catalog description has been modified to recognize the required applied laboratory activities, and describe the project requirement for the graduate students.

Course Revision Approval Signature Form

Revised Course

Current Course Subject: TEET
 Current Course Number: 4340
 Current Course Title: Digital Communications

Proposed Course Subject: TEET
 Proposed Course Number: 5340
 Proposed Course Title: Digital Communications

Approval Signatures

Recommend _____
 Not Recommend Chairperson, Department Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend Department/School Chairperson Date

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*

Review Only *(no action needed)*

Recommend _____
 Not Recommend Chairperson, TEC Executive Committee Date
(If Applicable)

Recommend _____
 Not Recommend Director of University Honors Program Date
(If Applicable)

Recommend _____
 Not Recommend Chairperson, College Curriculum Committee Date
(If Applicable)

Recommend _____
 Not Recommend Dean of the College Date

Recommend _____
 Not Recommend Dean of the Graduate College Date
(If Applicable)

Recommend _____
 Not Recommend Chairperson, Senate Undergraduate/Graduate Committee Date

Recommend _____
 Not Recommend Provost/Vice President for Academic Affairs Date
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.

Georgia Southern University
Proposed New or Revised Programs

To: Undergraduate Committee
 Graduate Committee

(Date Format: 99/99/99) UC/GC Meeting Date: 11/10/09
(Date Format: 99/99/99) Date Submitted: 10/9/09
(Term Format: 200608) Proposed Effective Term: 201008
CIP Code: 150399

College Code: 15 - COST Department Code: 1506 Department: Mech & Elec Engr Tech

Current Name of Program (ex., B.S. Mathematics): B.S. Electrical Engineering Technology

Proposed New or Revised Name of Program (ex., B.S. Mathematics):

(Regents' format can be found at: <http://www.usg.edu/academics/handbook/section2/2.03/2.03.02.phtml>)

1. Consistent with goals of: (check all that apply)

Accreditation College Department State/Regional Needs
 University Strategic Plan

2. Type: New Preliminary Proposal (Attach in Regents' required format)

OR

Formal Proposal (Attach in Regents' required format)

OR

Revision to Existing Program (Attach in Regents' required format)

OR

Other Program Proposals or Revisions that do not require Regents' approval

3. Proposal for: Undergraduate Major Other:

4. Degree: BS Other:

5. Total Credit Hours Required: 134

6. Is this a change in credits (for Revisions only)? Yes No

7. Target Group of Students: Undergraduate EET Students

8. Additional Resources Needed: (check all that apply)

Computer Needs Distributed Learning Support Equipment Facilities
 Faculty Library Resources Staff Support
 Other

9. A New or Revised Catalog Program Page must be attached.

NOTE: For Revised Catalog Program Pages:

- Refer to *Sample Program Revisions* for layout format.
- Deletions should be in **BOLD** with a **strikethrough**.
- Additions should be in **BOLD ITALICS**.

10. Provide the Justification/Rationale for New or Revised Programs.

The course designation for "Digital Communications" has been proposed to be changed from TEET 4340 to TEET 5340. Therefore, this change had to be reflected on the catalog page.

ELECTRICAL ENGINEERING TECHNOLOGY

B.S.E.E.T., 134 HOURS

See Core Curriculum for required courses in Area A through Area E.

Area A - Essential Skills	9 Hours
MATH 1113 - Pre-Calculus (4)	
Area B - Institutional Options	4 Hours
Area C - Humanities and Fine Arts	6 Hours
Area D - Science, Mathematics, and Technology	11 Hours
*MATH 1441 - Calculus I (4)	
*PHYS 2211 - Principles of Physics I (3)	
*PHYS 1113 - Physics Lab I (1)	
*Select 4 hours from the following Environmental Sciences with Lab	
BIOL 1230 - Environmental Biology (3) and BIOL 1210 - Environmental Biology Laboratory (1)	
CHEM 1040 - Chemistry and the Environment (4)	
GEOL 1330 - Environmental Geology (3) and GEOL 1310 - Environmental Geology Lab (1)	
PHYS 1149 - Environmental Physics (4)	
Area E - Social Science	12 Hours
Area F - Courses Appropriate to Major	18 Hours
CHEM 1145 - Principles of Chemistry I (4)	
ENGR 1133 - Engineering Graphics (3)	
ENGR 1731 - Computing for Engineers (3)	
MATH 2242 - Calculus II (4)	
PHYS 1114 - Physics Lab II (1)	
PHYS 2212 - Principles of Physics II (3)	
Health and Physical Education Activities	4 Hours
HLTH 1520 - Healthful Living (2)	
Physical Education Activities (2)	
Orientation	2 Hours
FYE 1220 - First Year Seminar (2)	
Specific Requirements	11 Hours
Carryover from Area A (1)	
TENS 2137 - Engineering Economy (3)	
WRIT 2130 - Technical Communication (3)	
Select <u>4 hours</u> from the following Technical Elective courses:	
MATH 2243 - Calculus III (4)	
TENS 2141 - Statics (4)	
TENS 2142 - Dynamics (4)	
TENS 2143 - Strength of Materials (4)	
TENS 2144 - Fluid Mechanics (4)	
Any Upper Division Math, Physics, Computer Science, Engineering Technology, or Industrial Technology Course approved by the Advisor	
Major Requirements	54 Hours
Carryover from Area D (1)	
TEET 2143 - Circuit Analysis I (4)	
TEET 2441 - Digital Circuits (4)	
TEET 2443 - Microcontrollers (4)	
TEET 3145 - Circuit Analysis II (4)	
TEET 3241 - Electronics I (4)	
TEET 3243 - Electronics II (4)	
TEET 3341 - Electric Machines (4)	
TEET 4610 - EET Senior Project I (1)	
TEET 4620 - EET Senior Project II (2)	
TEET 5245 - Electronic Communication Systems (4)	
TENS 2146 - Electrical Devices and Measurements (4)	
Select at least <u>14 hours</u> from the following Electrical Engineering Technology courses:	
TEET 3343 - Electrical Distribution Systems (4)	
TEET 4090 - Selected Topics in Electrical Engineering Technology (1-6)	
TEET 4237 - Fiber Optic Communication (3)	
TEET 5238 - Industrial Electronics (3)	
TEET 5340 4340 - Digital Communications (4) <i>be sure to move in number order</i>	
TEET 4540 - Automatic Controls (4)	
TEET 5531 - Programmable Logic Controllers (3)	
TEET 5542 - Computer System Design (4)	
Free Elective	3 Hours

PROGRAM COORDINATOR: Dr. Youakim Al Kalaani, located in the Science and Technology Building, Room 2127, Phone: (912) 478-0006.

OTHER PROGRAM REQUIREMENTS:

- At least 30 semester hours of approved upper division Engineering Technology credits must be earned at Georgia Southern.

* The listed courses are recommended in Area D

Program Approval Signature Form

New/Revised Program

Current Program Title (ex., *B.S. Mathematics*): B.S. Electrical Engineering Technology
 Proposed Program Title (ex., *B.S. Mathematics*): _____

Approval Signatures

Recommend
 Not Recommend

_____ Date
 Chairperson, Department Curriculum Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Department/School Chairperson

TEC Review Not Required _____ *(Initials of Dept./School Chair or TEC Chair)*
 Review Only *(no action needed)*
 Recommend
 Not Recommend

_____ Date
 Chairperson, TEC Executive Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Director of University Honors Program
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Chairperson, College Curriculum Committee
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Dean of the College

Recommend
 Not Recommend

_____ Date
 Dean of the Graduate College
(If Applicable)

Recommend
 Not Recommend

_____ Date
 Chairperson, Senate Undergraduate/Graduate Committee

Recommend
 Not Recommend

_____ Date
 Provost/Vice President for Academic Affairs
(Final sign-off)

*Consultation between appropriate chairpersons and deans must occur if this item impacts another unit before final approval.