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# The Faculty Senate of Liberty University

Moderator	Moderator Elect	Secretary	Past Moderator	Exec. Comm. At Large	Chaplain	Parliamentarian
<i>Samuel Smith</i>	<i>David Croteau</i>	<i>Mary Beth Grayson</i>	<i>Don Love</i>	<i>Kurt Reesman</i>	<i>Dave Beck</i>	<i>John Hugo</i>

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## Senate Minutes

### Friday, November 21, 2008 at 10:00 am in DH 1104

#### Senators:

Sean Beavers	Lucinda Drohn	Vicky Martin	Monica Parson	Fred Smith
Mark Blais	Randall Dunn	Troy Matthews	Kurt Reesman	Michael Smith
Timothy Chong	Scott Ehrhorn	Honoré Mavinga	Paul Rickert	Samuel C. Smith
Ken Cleaver	Mary Beth Grayson	Clive McClelland	Monica Rose	Todd Smith
Mike Cobb	Sheryle Jeans	Brian Melton	Marcus Ross	Branson Woodard
David Croteau	David Lawson	Randy Miller	Jim Schoffstall	Brian Yates
Denise Daniel	Edward Lewis	Robert Mills	William Scott	
Cam Davis	Susan Light	Charles Murphy	James Shelton	
Randall Davy	Philip Manns	Larry Nelson	Sandra Slayton	

Excused Absences: Michael Jones, James Wagner, Dennis Jennings, Jones Kaleli

Ex Officio: Boyd Rist, Barb Sherman

Parliamentarian: John Hugo

Guests:

**Call to Order** – *S. Smith (10:00)*

**Invocation** – *D. Croteau*

**Presentation of Minutes** – *M. B. Grayson*

**Administrative Comments** – *B. Rist*

**Committee Reports -**

#### Undergraduate Curriculum Committee

- **Description and title changes to Sports Management classes (Effective Date: Spring 2009)**
  - Course Description and Title Changes for SMGT 302 (proposed effective date: spring 2009)**
    - *Present Status:* SMGT 302- Sport Facility and Design is a major requirement for the degree in Sport Management and a required course for the minor in Sport Management.
    - *Present Title and Description:* SMGT 302 Sport Facility and Design. Designing, planning and managing of sport arenas and facilities.
    - *Modified Title:* Sport Facilities and Events.
    - *Modified Description:* This course is designed to provide students with an overview of facility planning and design, facility operations, and event management.
    - *Rationale:* Change necessary “in order to adequately reflect the content that is covered in the course.”
  - Course Description and Title Changes for SMGT 404 (proposed effective date: spring 2009)**
    - *Present Title and Description:* SMGT 404 – Administration and Organization of Athletic Programs. A study of the problems and considerations involved in the successful management of physical education programs. Areas considered include program planning, budgeting, facility design and organization, and current organizational trends.

- *Modified Title:* Administration and Organization in Sport
- *Modified Description:* A study of the problems and considerations involved in the successful management of sport and recreation programs. Areas considered include program planning, organization, leadership and evaluation, and current organizational trends.
- *Rationale:* Change necessary “in order to adequately reflect the content that is covered in the course.”

- **School of Engineering Changes (Effective Date: Spring 2009)**

**Prerequisite Change: ENGI 220 Engineering Economy**

- *Current prerequisite:* Math 121 College Algebra
- *Modified prerequisite:* Math 131 Calculus and Analytic Geometry I
- *Rationale*
- The basic concepts of calculus are used in ENGI 220 to find maximum revenues, maximum profits, and minimal costs by taking the derivative of a function, setting the equation equal to zero, and solving for the optimal production level or supply/demand.
- Thus, the prerequisite should be changed to Math 131 Calculus and Analytic Geometry I. Math 131 is typically taken the first semester of the freshmen year according to the degree completion plan, so students could take ENGI 220 the second semester of the freshman year after completing Math 131. ENGI 220 is required for all four engineering programs. This change will prevent incoming freshmen from taking this course who may be in Math 128 Elementary Functions and Coordinate Geometry, but have not yet taken any calculus.

**Deletion of CSCI 211**

- *Rationale:* This course has been offered only once in the past eight years. Its original purpose was to support the teaching of additional programming languages. This purpose is now served by the variety of programming courses (CSCI 111/112, CMIS 211/212/312) offered in the School.

**Pre-requisite Change: ENGI 330 Facilities Design**

- *Current prerequisite:* ENGI 320 Planning for Production
- *Modified prerequisite:* ENGI 230 Production Systems
- *Rationale:* ENGI 320 will soon be deleted, and ENGI 230 covers the same material.

**Old Business**

- **MOTION:** Accept the following revision of the opening paragraph of the Academic Honesty Policy: “Undergraduate students must conduct themselves in a manner that reflects the highest moral values and professionalism. Integrity and truthfulness are basic and essential virtues in a university. Honesty, which includes integrity and truthfulness, is part of an overall lifestyle that is free from deception in both thought and action.”

**MOTION PASSED**

- **SB1008-01 (Second Read) Academic and Admissions Standards – Academic Honesty Policy**

~~Undergraduate students must conduct themselves in a manner that reflects the highest ideals of moral virtue and professionalism. Integrity and veracity are fundamental and essential virtues in an academic institution. Honesty, which encompasses integrity and veracity, is an integrative concept that means being free from deception in both thought and action.~~

Academic dishonesty includes, but is not limited to, plagiarism (a form of intellectual theft), cheating (a form of dishonesty in which a student attempts to give the appearance of a level of knowledge or skill that the student has not obtained), and falsification (a form of dishonesty in which a student invents or distorts the origin or content of information used as authority). This policy also includes assisting others in academic dishonesty. For a more detailed description of plagiarism, cheating, falsification, and sanctions visit <http://www.liberty.edu/index.cfm?PID=15400>.

All undergraduate students have the duty to report any form of academic dishonesty promptly to the professor, Department Chair, and/or Program Director all circumstances that they believe to constitute a clear violation of this policy. Intentional breach of this duty shall be a violation of the policy.

It is the duty of every undergraduate student to give testimony or evidence relevant to any alleged violation of this policy if requested by the student facing disciplinary charges, the person(s) appointed to present evidence in support of the charge, or

the Committee charged with investigating an allegation of academic misconduct. All cases of alleged academic dishonesty will be resolved with the utmost concern for strict confidentiality by those individuals involved in the proceedings. Information about the case will be provided only to those with a need to know in order to perform their job duties, including the faculty member, Department Chair, Program Director, and/or Dean of the School in which the academic dishonesty is alleged to have occurred.

Any act or threat of retaliation against those individuals who acted in good faith (i.e., honestly and with intentions of being fair) in reporting, even if mistakenly, alleged academic dishonesty will be subject to disciplinary action, including possible suspension or expulsion from the university. Any report of alleged academic dishonesty not made in good faith will also be subject to disciplinary action.

If academic dishonesty occurs in a clear and convincing manner, the student may receive a grade of F for the course in which the academic misconduct occurred. Examples of clear, blatant academic dishonesty include but are not limited to obvious plagiarism, cheating, and falsification. Students receiving a grade of F for academic dishonesty will be notified by the professor of the course in an appropriate manner, including but not limited to returning the assignment with comments, email, letter, telephone call, and/or a personal meeting. If the student chooses to appeal the grade of F for academic dishonesty, he or she must follow the appeal process described below. If substantiated, the results of academic dishonesty review will be forwarded to the Office of Student Affairs for any other disciplinary action that may be appropriate.

If non-blatant academic misconduct (such as inadvertent plagiarism) occurs in a course, the professor will contact the student and conduct such further investigation as needed. If the professor determines that a sanction is called for, the professor may issue an oral reprimand, send written notification to the Department Chair, Program Director, and/or Dean of the School in which the professor teaches the specific course, reduce a grade, adjust credit, and/or require additional work. The professor also maintains the right to assign the grade of F for the course if the investigation determines that it is the appropriate sanction.

When a student receives an F for academic dishonesty, the professor may report the reason for the F to the Registrar. The Registrar will record this F as a specially coded grade (FD) given for academic dishonesty, which will appear on the student's transcript and be documented in the student's records. **The repeat policy cannot be applied to this grade.** If this student becomes guilty of academic dishonesty in any subsequent course, he or she will be dismissed from the University. Following dismissal, the student may not be considered for readmission for a minimum of five years. Readmission to the University will follow the academic amnesty policy described elsewhere in this Catalog. The Dean of the School has the right to refuse readmission of the student to the same degree program from which he or she was dismissed for academic dishonesty.

A student who receives a sanction for academic dishonesty may appeal the action within one week by submitting to the Department Chair or Program Director a written request for review. The student will be given an opportunity to provide oral evidence in person and written evidence in opposition to the charge. The Department Chair or Program Director will determine whether the student may continue in the class pending the outcome of the appeal. Once informed of the decision, the student may further appeal to the Dean of the appropriate school for review. Once the student is informed by the Dean of the appeal decision, if it is unfavorable, the student may then request the Dean to forward the appeal to the Committee on Academic and Admissions Standards for review.

The evidence will be reviewed by the Committee on Academic and Admissions Standards. If deemed appropriate by the Committee or if requested by the student, the student only may be present in person at the meeting of the Committee where the review will be made. The student will not be permitted to be present after the Committee has received all evidence and begun its deliberation toward a decision. The Committee will inform the Dean of its decision regarding the appeal. The decision of the Committee on Academic and Admissions Standards in regard to the occurrence of academic dishonesty is final. The student will be informed of the decision of the Committee by the Dean of the School in writing within ten academic days of the meeting. Any party in the process may ask for a final review by the Dean in regard to due process.

#### **RATIONALE** (Reasons for Replacement of Current Policy)

The Committee on Academic and Admissions Standards (CAAS) has drafted a policy for academic honesty to be included in the Liberty University Undergraduate Catalog and the Liberty Way. During the process of policy development, the CAAS reviewed other academic honesty policies in effect within Liberty University and at other institutions. In particular, the academic honesty policies of the Liberty University School of Law and the Liberty University and Liberty Baptist Theological Seminary and Graduate School were reviewed. Additionally, the process included consultation with the Provost/Vice President for Academic Affairs. It is important to note that the CAAS consists of representatives from numerous levels and departments within Liberty University.

The proposed policy, if approved, is a decisive step toward a seamless policy regarding academic honesty within the university. It is also designed to be applicable to residential and distance learning programs. While the proposed policy helps standardize academic honesty and outlines a range of responses to alleged violations, the policy also honors faculty

discretion and responsibility. It is designed with flexibility so that faculty and departments and schools with unique academic requirements and standards can consistently enforce the policy, yet at the same time develop department-specific guidelines for its implementation. The proposed policy also includes language regarding confidentiality and retaliation.

**SB1008-01 PASSED (with the revision in the motion above)**

- **SB1008-02 (Second Read) Developmental Math – New Course MATH 108 (Effective Spring 2009)**

**Math 108 Elementary and Intermediate Algebra—3 credits**

This course is a self-paced computer-based review of rational numbers, exponents, polynomials, factoring, roots and radicals, graphing, rational expressions, equations and inequalities, systems of linear equations, and problem solving. It meets the prerequisite requirements for Math 115, 117, 121, 125, 201 and 217. Credit may not be earned for both 108 and 110. This course may not be used to meet the General Education requirements. (Developmental Math is a component of the Bruckner Learning Center.)

Proposed Effective Date: The pilot is being offered fall semester, 2008 and, if approved, the course will be offered each fall and spring semester beginning spring semester 2009.

**RATIONALE:** “Math 108 *Elementary and Intermediate Algebra* is a developmental mathematics course designed as a review for students who completed Algebra II or higher in high school but whose Math SAT, Math ACT, and Math Assessment Test scores are within twenty SAT points or one ACT point of placement in Math 110. Math 108 is a self-paced course in which students use computer tutorials, textbook, and brief lectures to review concepts, then demonstrate mastery on homework, quizzes, and tests. The class will meet five days a week in a computer classroom with an instructor. The students are required to attend class until all course assignments have been completed. This course includes the content of Math 100 and Math 110 and may be used as the prerequisite for Math 115, 117, 121, 125, 201 and 217. A student may not take both 110 and 108.”

**SB1008-02 PASSED**

- **SB1008-03 (Second Read) School of Business - Specialization in Human Resource Management**

<u>Courses</u>	<u>Title</u>	<u>Hours</u>
BUSI 342	Human Resource Management	3
<i>Choose four of the following courses:</i>		
BUSI 343	Employee and Labor Relations	3
BUSI 440	Compensation Management	3
BUSI 443	Workforce Planning & Employment	3
BUSI 444	Human Resource Development	3
BUSI 445	Human Resource Management Practicum	3

**NEW COURSES:**

**BUSI 443: Workforce Planning & Employment**

**RATIONALE:** “Leaders in an organization must have the knowledge, skills, and abilities necessary to be able to effectively staff and manage a workforce planning and employment system to support the strategic mission of the organization. These tools will be the foundation upon which the management of an organization will be able to incorporate organizational workforce needs with the current labor market, and apply appropriate labor laws and guidelines.”

**DESCRIPTION:**

BUSI 443 *Workforce Planning & Employment*—3credits

This course will focus on recruitment, assessment, selection, placement and appraisal issues and methods necessary to align the organizational workforce with the strategic goals of the organization. The laws and guidelines related to the DOL, INS, EEOC, and other legal enforcement agencies as related to the staffing process will be reviewed.

**BUSI 444: Human Resource Development**

**RATIONALE:** “Organizational performance, competitiveness, individual career development, and changing work designs and technologies are positively impacted by effective training and development programs. It is critical that managers, trainers, and human resource experts possess the skills necessary to develop training programs that meet the individual needs of the employees. In today’s workplace, individuals are seeking innovative methods to accomplish day-to-day tasks and

desire to learn new skills to become or remain employable. Meanwhile, organizations must be prepared to provide this training to meet the changing demands of the workforce.”

DESCRIPTION:

**BUSI 444 *Human Resource Development*—3credits**

This course focuses on the design, implementation, and management of employee orientation, career development, and training programs. Human resource development issues examined include strategic training, needs assessment, theories, program design, evaluation, and training methods as well as career management.

#### **BUSI 445: Human Resource Management Practicum**

RATIONALE: “This course is designed to provide current or future HR professionals with an in-depth study of the primary HR functions in an organization while also preparing the students to compete with peers at the undergraduate level in the state and regional HR Game competition. This course will also aid in preparing the student for the HR certification. Professional certification provides the individual an opportunity to demonstrate mastery of a body of knowledge to a specific field. The HR certification will be an asset to an individual who desires a position in an HR department. As the HR function in an organization continues to become a greater component of the strategic business plan of organizations, management must have an understanding of how the HR function of an organization can aid in achieving the strategic goals of the organization.”

DESCRIPTION:

**BUSI 445 *Human Resource Management Practicum*—3credits**

This course will provide an in-depth review of the 6 primary areas in the body of knowledge for human resource management. Topics covered include the major areas in the body of knowledge of the human resource management field: compensation management, strategic human resource management, employee and labor relations, workforce planning and employment, training and development, and risk management. Students will prepare to compete in the state HR games and will also prepare to sit for the Professional in Human Resources (PHR) certification exam.

**RATIONALE FOR BILL:** “The Department of Management proposes a new specialization for its current Bachelor of Science in Business degree sponsored by the School of Business. Specifically, the proposed specialization, Human Resource Management, will offer five courses that reflect the body of knowledge needed for graduating students to succeed as professionals in human resource management with an additional optional elective course. The effect of this specialization is that Liberty University undergraduate students majoring in Business would be afforded the opportunity to specialize in a field of study offered by many of our benchmark schools and hundreds of other Schools of Business nationally (see Appendix J), yet do so from a thoroughly Biblical context.” The specialization has also been requested by a significant number of management students, as evidenced by the full proposal.

This specialization requires no new faculty or special facilities, but includes two new classes.

#### **SB1008-03 PASSED**

- **SB1008-04 (Second Read) SECS – Change to Computer Engineering (Effective August 2009)**

*Present requirements:* ENGS 205 is required for the major and MATH 250 is not listed.

*Modified requirements:*

ENGS 205 (Professionalism in the Software Life Cycle) will be removed from the major, as it was determined that ENGS 205 was not necessary to the Computer Engineering major.

Math 250 (Introduction to Discrete Mathematics) will be added to the Quantitative Studies section of the Degree Completion Form, since Math 250 is a prerequisite to Math 321, which is required for the major. Thus, Math 250 needs to be added to the requirements, to avoid a hidden prerequisite.

#### **SB1008-04 PASSED**

- **SB1008-05 (Second Read) SECS – Change to Electrical Engineering (Effective August 2009)**

*Present requirements:* ENGE 351 is required for the major and MATH 250 is not listed.

*Modified requirements:*

It was determined that ENGE 351 (Power Systems) should not be required for the Electrical Engineering major, and thus will be added to the list of options to fill the major requirements. The student will be able to choose from among ENGE 351, ENGE 431, and ENGE 465.

Math 250 (Introduction to Discrete Mathematics) is a prerequisite to Math 321, which is required for the major. Thus, Math 250 needs to be added to the requirements under the Quantitative Studies section of the degree completion form, to avoid a hidden prerequisite.

#### **SB1008-05 PASSED**

**MOTION:** Accept the deletion of the portions of SB1008-06 indicated below (strikeout).

**MOTION PASSED**

- **SB1008-06 (Second Read) SECS – Change to Industrial and Systems Engineering (Effective August 2009)**

*Present requirements:* ~~Currently, ENGI 320 requires ENGI 340 as a co-requisite, and MATH 250 is not listed as a requirement.~~

*Modified requirements:*

~~ENGI 320 (Planning for Production) should have ENGI 340 (Introduction to Operations Research: Deterministic Models) as a prerequisite. To reflect this prerequisite, the course number for ENGI 320 will be changed to ENGI 370. The prerequisite for ENGI 370 will be ENGI 340.~~

Math 250 (Introduction to Discrete Mathematics) will be added to the Quantitative Studies section of the Degree Completion Form, since Math 250 is a prerequisite to Math 321, which is required for the major. Thus, Math 250 needs to be added to the requirements, to avoid a hidden prerequisite.

**SB1008-06 PASSED**

- **SB1008-07 (Second Read) SECS – Change to Software Engineering (Effective August 2009)**

*Present requirements:* Currently, PSYC 405 is required for the major.

*Modified requirements:*

It was determined that PSYC 405 (Group Dynamics) is not necessary for the Software Engineering major, and thus will be removed from the list of Directed Electives.

In order to comply with ABET accreditation requirements, a 4 credit Lab Science must be added to the major requirements.

The students will be required to take one of the following: BIOL 101/103, BIOL 102/104, BIOL 200, or CHEM 121. This has been added to the Degree Completion Plan.

**SB1008-07 PASSED**

**New Business**

- **SB1108-01 (First Read) English & Modern Languages - New Specialization in Linguistics (Effective Fall 2009)**

**CURRICULUM**

Foundations:

\*\*LING 213 Introduction to Linguistics 3

LING 305 Linguistic Analysis 3

Theory/Application

\*LING 451 Phonetics and Phonology 3

\*LING 452 Morphology and Syntax 3

Application (choose two):

\*\*LING 280 Field Language Learning 3

\*\*LING 300 Cultural Anthropology 3

\*\*LING 453 World Languages 3

18

\*new courses

\*\*presupposes change from MLAN to LING prefix

**New Courses**

**LING 451: Phonetics and Phonology—3 credits**

**DESCRIPTION:** This course concerns the analysis and voice production of sound systems that compose individual human languages. The purpose is to equip students to analyze and describe in phonological terms the inherent sound patterns and systematic variations that make up comprehensible speech, as the foundation for a written language.

**RATIONALE:** The TESOL/linguistics graduate will confront languages different from English. The more students know of language sounds and the analysis of sound systems, the better they can be in guiding future students in pronouncing English correctly, in understanding the reasons for particular pronunciation errors from particular speakers, and in personal learning of other languages.

**LING 452: Morphology and Syntax—3 credits**

DESCRIPTION: This course provides a comprehensive introduction to morphological/syntactic theory and analysis. It requires students to formulate hypotheses and test them against data from English and other languages. Prerequisite: MLAN 305

RATIONALE: The well-rounded student of language needs a broad understanding of the many possible structures found in modern languages. This course will provide a basis for expanding and deepening knowledge and skills gained in MLAN 305.

- **PREFIX CHANGE in conjunction with Linguistics Minor**

Rationale

- 1) The linguistics minor needs a LING prefix.
- 2) The TES/FL major, now with an MLAN prefix, needs a central group, at least, of TESL prefix courses to properly designate it as a TES/FL program.
- 3) The LING prefix will have the same broad application that the MLAN prefix now has, and will be able to be used for LING and TESL, as well as SPAN/FREN/ and other LANG programs, where needed.

CURRENT PREFIX	NEW PREFIX	EXISTING/NEW COURSE	PROGRAMS APPLICABLE TO
MLAN 213- Introduction to Linguistics	LING 213	existing course	TES/FL & LING minor, & SPAN
MLAN 305- Linguistic Analysis	LING 305	revised course	TES/FL major & LING minor
MLAN 451- Phonetics & Phonology	LING 451	new course	LING minor
MLAN 452- Syntax & Morphology	LING 452	new course	LING minor
MLAN 453- World Languages	LING 453	existing course	TES/FL major & LING minor
MLAN 300- Cultural Anthropology	LING 300	existing course	TES/FL major & LING minor
MLAN 280- Field Language Learning	LING 280	existing course	TES/FL major & LING minor
ENGL 333- Modern Grammar	TESL 333	existing course	TES/FL & ENGL crosslisted
MLAN 403- Second Language Acquisition	TESL/SPAN 403	existing course	TES/FL & SPAN crosslisted
MLAN 405- Issues & Practices in TES/FL	TESL 405	existing course	TES/FL
MLAN 419/20- Curriculum & Methodology in Modern Languages	TESL/SPAN 419/20	existing course	TES/FL & SPAN crosslisted
MLAN 499- Internship in TES/FL	TESL 499	School existing course	TES/FL

RATIONALE FOR BILL:

“The proposed Minor in Linguistics was designed by Paul Muller and myself (Clive McClelland) several years ago before adequate faculty was in place. Our aim was/is to have a supplement to our TESL program that would allow TESL majors, or any major, to more adequately prepare for cross-cultural work. Also, he and I together have thought that this Minor could be a stepping-stone to having the Wycliffe Bible Translators set up a training program here at Liberty. Dr. David Ross, head of the Graduate Institute of Applied Linguistics, Wycliffe’s training arm, visited Liberty in 2007 to discuss this and other possible training that could feed trainees into their program in Dallas. [...] The two new courses, LING 451 and LING 452, were piloted...as MLAN 497 in 2006 and 2007. Also included in this proposal is a change of prefix, from MLAN to LING to better reflect actual course content and connection to this Linguistics Minor.”

MOTION: Change “MLAN” to “LING” in the course description of LING 452

MOTION PASSED

- **SB1108-02 (First Read) School of Communication: New Course Proposals (proposed effective date Fall 2009)**

- **New Course: COMS 486**

DESCRIPTION: COMS 486—Media Bias—3 credits

An examination of the manipulation and bias in mainstream American media. This course provides students with the New Media exposure necessary to combat the social engineering of mainstream journalism, thereby contributing to a more vibrant and balanced national dialogue.

RATIONALE: The preservation and growth of our Judeo-Christian culture relies, in part, upon media that both shape and reflect that worldview. This, however, requires that individuals—both within and outside the media—be willing to confront the bias of American media outlets. The basic premise of the course is that aware news/information consumers and participants can counter mainstream media falsehoods and open the public discourse to truthful representations of reality.

- **New Course: COMS 490**

DESCRIPTION: COMS 490 Crisis Communication—3 credits

The course will examine modern crisis communication, and provide the students with exposure to and practice in organizational communication, gathering information and providing analysis, and oral and written communication skills, essential for handling crisis situations. Prerequisite: Senior status

**RATIONALE:** Sooner or later, government employees will find themselves thrust into the limelight, or at least tasked with the responsibility of representing their area of responsibility to their constituents during a time of crisis. Their job will be to foster communication and understanding between themselves and the various “publics” they serve, both internal and external. Public speaking, writing and disseminating the news, gathering information and providing analysis—are all integral parts of crisis communication skills needed by any public individual, from a U.S. Senator to a local school board member for all crisis situation, whether large or small.

- **SB1108-03 (First Read) SECS - Two New Course Proposals (Effective Fall 2009 [pilots offered in Spring 2009])**

- **New Course: CSCI 466**

**DESCRIPTION:** CSCI 466 Modern Cryptography—3 hours

Study of modern cryptographic techniques. Covers basic cryptographic concepts, including symmetric key, public key, hash functions, digital signatures, and message authentication codes.

Prerequisites: CSCI 215 and MATH 321 or approval of instructor.

**RATIONALE:** Security is vitally important in modern computing systems. One important aspect of computer security is that of cryptography. This course helps students learn the current cryptographic techniques in use, and how they function. Students should be able not only to understand the techniques but also to know which techniques apply to different situations and how to apply them securely.

- **New Course: CSCI 482**

**DESCRIPTION:** CSCI 482 Applied Software Engineering—3 credits

A hands-on experience that requires students to apply the skills and knowledge gained throughout the Computer Science program. A team solution of a real-world project is required.

Prerequisites: CSCI 481 and Senior status

**RATIONALE:** The activities in this course are intended to provide a hands-on experience that will allow the students to apply the various skills and knowledge they have gained throughout their Computer Science program.

Teams of two to three persons will be formed at the beginning of the course. Software is nearly always developed by teams so this kind of experience is crucial for career preparation.

A real-world project submitted by a ministry, some component of the university, or an associated business organization will be identified for each team. These projects will be selected to emphasize the software development process, as well as result in a viable product.

- **SB1108-04 (First Read) SECS - Major Changes (Effective Fall 2009)**

- **Computer Science Major Changes**

- Change course number of CSCI 415 Software Engineering to CSCI 481. The title would remain the same. This would make this Capstone course numbering consistent with other SECS capstone courses.
- Add a new course CSCI 482 Applied Software Engineering to the major core requirements. This new course and its rationalization are described in the accompanying Form II submittal.
- Add three hours to the major to be chosen from either CSCI 465 Technical Aspects of Information Security or CSCI 466 Modern Cryptology. These three hours are required to exceed the minimal hours requirement for ABET accreditation. The option of either of two security courses is intended to give the LU major a “slant” toward an emerging field of importance in technology...information security.
- Move MATH 250 Introduction to Discrete Mathematics and MATH 350 Discrete Mathematics from the core courses to Directed Courses. This will make it clearer to our accrediting body that these courses count toward the required Mathematics/Science accreditation component.
- Edit the current +++Any CSCI 300/400 Electives line to say +++Any CSCI 300/400 or any ENGS 300/400. This will strengthen the major by requiring electives from the Computer Science program or the related Software Engineering major.
- Add a Lab Science to Directed Courses to be chosen from the list:
  - i. BIOL 101/103 Principles of Biology (4 hrs)
  - ii. BIOL 102/104 Principles of Human Biology (4 hrs)
  - iii. BIOL 200 Foundations of Biology (4 hrs)
  - iv. CHEM 121 General Chemistry I (4 hrs)

The additional four hours are needed to satisfy our accrediting requirement for 30 hours of Mathematics/Science.

The above change the number of hours in the core from 48 to 45, the number of hours of Directed Courses from 7 to 17 (giving 33 hours of Math/Science) and the total number of hours for the program from 120 to 127.

In addition:

1. Crosslist CMIS 340 Studies in Information Security as CSCI 340
2. Crosslist CMIS 325 as CSCI 325 with a name and course description change of CSCI 325. The course content remains the same.
  - a. Previous CSCI 325 name: *File Processing and Database Structures*  
Previous CSCI 325 description: A study of file organization and data management concepts. Topics include: data structures, access methods, and storage devices. A survey of several data base management models, along with algorithms and data structures is covered.
  - b. Proposed CSCI 325 name: *Database Management Systems*  
Proposed CSCI 325 description: The study of database management systems, database architecture, design, queries, applications, administration and implementation. The course will focus on data normalization, SQL (queries), and the use of relational technology for building database applications. Projects will be assigned to provide hands-on experience with the SQL language and relational database management software packages.
3. Change the pre-requisite of *CSCI 111 Introduction to Programming* from:  
*CSCI 110 and Math 121 or higher* to  
*CSCI 110/ ENGR 110 and Math 121 or higher*
4. Change the pre-requisite of *CSCI 345 Introduction to Unix* from:  
*None* to  
*CSCI 112 or CMIS 212.*

- **SB1108-05 (First Read) SECS - Minor Changes (Effective Fall 2009)**

- **Computer Science Minor Changes**

**Present Requirements**

Currently, the minor requires CSCI 111, 112, 215, and six hours of electives for a total of 15 hours.

**Modified Requirements**

Recent (May, 2008) changes to pre-requisites for the CSCI 111 course require the addition of CSCI 110 to the minor. Currently CSCI 110 is a hidden pre-requisite in the minor. In addition, Math 250 is a standard basic mathematics course in Computer Science programs.

The new minor would require 21 hours of the following:

- CSCI 110 – Computing Foundations and Ethics
- CSCI 111 - Introduction to Programming
- CSCI 112 – Advanced Programming
- CSCI 215 – Data Structures and Algorithms
- CSCI xxx – Six hours of upper level Computer Science
- MATH 250 - Introduction to Discrete Mathematics

**Prayer**

**Adjournment**