1. **Title:** CISM 3325: Data Communications and Computer Networks

2. **Submitting College:** COST

3. **Department(s) Generating the Proposal:** Engineering Technology and Mathematics

4. **Effective Date:** Fall semester 2011

5. **Brief Summary of Proposal:**
   This proposal is being submitted to add CISM 3325, Data Communications and Computer Networks as an elective option in the Computer Science Technology major classes grid. CISM 3325, Data Communications and Computer Networks is an existing class in the CISM program and is a 3 credit hour class.

6. **Type of Proposal:** Add existing CISM course to CSCI program.

7. **Graduate School Endorsement Status:** N/A

8. **Impact in Library Holdings:** none

9. **Impact on Existing Programs:** none

10. **Additional Resources Required:** none

11. **Approvals:**
   This change was approved by:

<table>
<thead>
<tr>
<th>Department</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department of Engineering Technology</td>
<td></td>
</tr>
<tr>
<td>College of Science &amp; Technology</td>
<td></td>
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<tr>
<td>Curriculum &amp; New Programs Committee</td>
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<tr>
<td>SSU Faculty Senate</td>
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</tr>
</tbody>
</table>
A. **Course Number:** CISM 3325

B. **Course Title:** Data Communications and Computer Networks

C. **Catalog Description:**

D. **Rationale:** Adding the course as an option in the major grid will give students more opportunities to customize their senior level major classes and will reduce the bottle neck in class offerings.

E. **Impact on Library Holdings:**
   - Existing:
   - Additions:
   - Deletions:

F. **Credit Hours:** 3 Credit Hours

G. **Prerequisites:** Senior standing

H. **Syllabus:** Copy attached

I. **Similarity to, or Duplication of, Existing Courses:** N/A

J. **Textbook Selection (include title, author and ISBN):**

K. **Grading (letter grade, pass/fail, S/U etc.):** A - F

L. **Bibliography:**

CISM 3325 Data Communications & Computer Networks FALL 2010
INSTRUCTOR: Reginald D. Leseane—Jordan Room 108 (Dean’s Suite)
Office 358-3384, FAX 358-3885
Course website: https://savstate.view.usg.edu
Email: leseaner@savannahstate.edu
Section 01 TR 1:00 – 2:15 pm
Office Hours MWF 9:00 am - 11:00 am (also by appointment/email/chat)

DISABILITY ACCOMMODATIONS: If a student has a documented and declared disability, reasonable accommodations will be
provided if requested by the student according to the recommendations of the office of Counseling and Disability Services
(912) 358-3115.

ELECTRONIC DEVICES: (CELL PHONES, PAD’S, BLUE TOOTH, IPODS, MP3 PLAYERS, ETC.)
No electronic devices are to be seen or heard during regularly scheduled class time, quizzes, tests, or examinations – (note
that this includes earpieces and ear buds). If any are observed or heard during class, the student will be excused from class;
and should such devices be observed or heard during assessment periods, there will be the presumption of academic
dishonesty. Those found to be in violation of this policy will be subject to the consequences for academic dishonesty under
the College of Business Administration Policy on Academic Dishonesty.

ACADEMIC DISHONESTY: If academic dishonesty (as defined in the Code of Student Conduct) is established, then the
minimum penalty for the offending student will be a grade of ZERO for the assignment (as per university policy). However,
students should be apprised that the instructor may well assign a penalty grade of F for the semester and request that the
student be expelled from the university. In all cases, students are apprised that all incidents of academic dishonesty will be
reported to the Office of the Dean of the COBA, the COBA Student Services Office (for inclusion in the student’s academic
record) and to the Vice President for Student Affairs.

from CISCO will be used extensively. The ISBN for the CISCO Textbook is 1587132435 -CCNA Exploration Course Booklet:
Network Fundamentals.

MATERIALS: We will use emails extensively (SSU e-mail account) to provide updates and share information. You must also be
prepared to login and use e-learning (WebCT Vista) daily. The CISCO Network Academy website (cisco.netacad.net) will be
used extensively. A 4GB or larger USB flash drive is highly recommended. * I strongly suggest that you register for the
MSDN software downloads -- $10, though you can use evaluation copies downloaded from Microsoft’s website. A pack of
10 RJ-45 Cable ends is also needed.

COURSE DESCRIPTION: This course provides an introduction to the principles and techniques of data communications and
computer networks. The course covers the topics of transmission media and modes, communication protocols, and network
architecture. It will also cover the day to day administrative tasks necessary to maintain a basic business computer network.
Topics and tools particular to CISCO CCNA certification preparation will also be covered. Prerequisite: CISM 1130 or CSCI
1130 F:\DATA\@SSU\CISM-3325\Fall 2010\CISM 3325 Syl FALL 2010v1.docx 8/11/2010 Page2
COURSE OBJECTIVES (Learning Outcomes): Students will able to:
1. Identify basic concepts of data communications, standards, history, and trends.
2. Identify basic concepts of computer networks, architecture, models, layers, associated hardware and applications.
3. Illustrate an understanding of ethical issues dealing with networks and data communications (e.g. Security, Risks, and Design).
4. Prepare, install and configure a variety of Server and Desktop Operating Systems (e.g. W2K3/w2K8 Server, XP-Pro, Windows 7, Ubuntu, and Fedora Core).
5. Prepare, install and configure Server and Desktop Applications (e.g. Database Server, Mail Server, Web Server, Firewall, and VPN).
6. Use appropriate tools needed to perform selected day to day network management activities (e.g. user creation, policies, printing, and basic scripting).
7. Use applicable tools to define and analyze requirements in the design of networks.
8. Design and construct a basic network using selected hardware/software and virtual tools.
9. Construct and test a 10baseT cable using applicable tools.
10. Demonstrate ability to subnet and assign IP addresses in a basic multi-device network.

COURSE POLICIES:
1. Each student is expected to do his/her own work (both in and out of class).
CHEATING WILL NOT BE TOLERATED. ANY STUDENT CAUGHT CHEATING (IN ANY FORM/METHOD/ASSIGNMENT) WILL RECEIVE AN "F" FOR THE COURSE.
Cheating includes both giving and receiving work that is to be done individually. Cheating involves copying another student’s work. (This does not include working together on homework assignments, as long as each student does his/her own work.)
2. Each student is expected to do all reading assignments and complete all assignments using the assigned resources.
3. NO food or drinks are allowed in any computer lab. NO hats, caps, do-rags, etc. are to be worn in the classroom.
4. NO children are allowed in class.
5. Questions or difficulties you may have with the course or any particular assignment(s) should be brought to my attention ASAP.

CLASS ATTENDANCE POLICY:
1. The Savannah State University Catalog states — ...... Certain classes, such as computer lab classes, with limited seating are governed by a more stringent attendance policy. .... In these cases, students must attend the first class session or notify the instructor immediately that they will be absent. Failure to comply with these requirements may result in the immediate removal (withdrawal) from the class.
2. Unexcused absences in excess of 5 class periods may result in a reduction of 1 letter grade.
3. If you must be absent, you should get class notes from someone else. You are responsible for all work given in class as well as all reading material. You are expected to remain in the classroom during the entire class period.
4. If you are late for class you will have to catch up on your own. Do not disturb fellow students or me until the class breaks.

HOMEWORK / ASSIGNMENT POLICY:
1. Homework is due at the beginning of the assigned class period. Late homework will NOT be accepted.
2. Additional assignments will be due at the stated time.
3. Short answer questions (unassigned) will be given to monitor homework/reading completion and attendance.
4. If you are late for class you will NOT be allowed to participate in ANY and ALL graded assignment without a valid excuse (documented).
EXAMS AND GRADING:
Your evaluation will be based on the grading chart below.

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>There will be NO MAKEUP</td>
<td>300</td>
<td>20%</td>
</tr>
<tr>
<td>Exams/Quizzes</td>
<td></td>
<td></td>
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<tr>
<td>Cisco Exam</td>
<td>100</td>
<td>20%</td>
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<tr>
<td>MidTerm Lab</td>
<td>100</td>
<td>10%</td>
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<tr>
<td>IP Lab</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>Cisco Lab</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>OS Lab (Virtual PC)</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>Paper (Ethical Issues</td>
<td>100</td>
<td>10%</td>
</tr>
<tr>
<td>Dealing with Access to Data</td>
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<td></td>
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<tr>
<td>Homework</td>
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<td>10%</td>
</tr>
<tr>
<td>Total Points</td>
<td>1000</td>
<td>100.00%</td>
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