

COURSE SYLLABUS FORMAT
Southeast Missouri State University

Department of Computer Science Course No. IS495
 Title of Course Senior Seminar Revision _____
 New Spring 2015

- I. Catalog Description and Credit Hours of Course:
 The impact of computing on society; social, professional, ethical, legal and security and privacy issues and responsibilities in the computing field; lifelong learning in the computing field. 1 credit hour
- II. Prerequisite (s):
 Computer Information Systems major; enrolled in final spring semester of degree program;
 Prerequisite: WP 003. Co-requisite: IS003 and CL004
- III. Purposes or Objectives of the Course:
 The objectives of the course are that the
- A. Student will have gained an appreciation of the impact of computing on society.
 - B. Student will be able to understand what the social issues and responsibilities for a computing professional are.
 - C. Student will be able to understand what the professional and ethical issues and responsibilities for a computing professional are.
 - D. Student will be able to understand what the legal issues and responsibilities for a computing professional are.
 - E. Student will be able to understand what the security and privacy issues and responsibilities for a computing professional are.
 - F. Student will be able to recognize the need for and have the ability to engage in continuous professional development.
- IV. Student Learning Outcomes (Minimum of 3)
- A. The student will be able to identify, define and explain key concepts of professional and ethical issues and responsibilities in computing, and be able to apply those concepts in discussing a case study on the subject.
 - B. The student will be able to identify, define and explain key concepts of the legal issues and responsibilities of a computing professional, and be able to apply those concepts in discussing a case study on the subject.
 - C. The student will be able to draft a plan for ongoing professional development.
- V. Expectations of Students:
- A. Students are expected to write assignments and take quizzes related to the impact of computing on society; social, professional, ethical, legal and security and privacy issues and responsibilities in the computing field; and lifelong learning in the computing field.
- VI. Course Content or Outline (Indicate number of class hours per unit or section):
- | | |
|--------------------------------------------------------|----|
| A. Career Planning and Lifelong Learning | 2 |
| B. Impact on Computing on Society | 2 |
| C. Social Responsibilities of a Computing Professional | 1 |
| D. Professional Ethics in Computing | 4 |
| E. Legal Issues in Computing | 2 |
| F. Privacy and Security Issues in Computing | 2 |
| G. Other Topics | 2 |
| | 15 |
- VII. Textbook(s) and/or Other Required Materials or Equipment:
- A. None. Students will research topics assigned using the resources in the library and from the Internet.
- VIII. Basis for Student Evaluation:
- | | |
|------------------------|-----|
| A. Class Presentations | 50% |
| B. Class Participation | 50% |

Please Attach copy of class syllabus and schedule as an example

Signature: _____ Date: _____
 Chair

Signature: _____ Date: _____
 Dean

Class Description

The impact of computing in society; social, professional, ethical, legal and security and privacy issues and responsibilities in the computing field; lifelong learning in the computing field. This class meets two hours per week for eight weeks.

If you need any test taking, note taking or other accommodation, please see the instructor during the first week.

Prerequisites: Computer Science or Computer Information Systems major; **Must** be enrolled in the final semester of the degree program (or, with permission, the final spring semester of your degree program); **WP003**.

Co-requisite: CL004

CL004 Career Linkages IV, Students present for approval either a polished resume and covers letters or other specific documentation per department/major instructions.

Notes

1. The Computer Science Department gathers materials from classes as part of our continuing assessment for accreditation. Copies of some of your work may be used without notification. Sometimes work might be returned to a class later than usual to allow for appropriate copying. See the Department Chair if you have further questions.
2. Eight week grades must be submitted this semester. These grades are not (supposed to be) part of your permanent record and may not be appealed. I will use the information I have at the appropriate time to determine the grade submitted. Such factors as attendance and submission of completed work will be used in addition to assignment, quiz and test grades. Eight week grades are often not a good predictor of course outcomes, but a poor grade indicates that something needs attention.
3. Electronic devices such as computers, laptops, tablets, cell phones, pagers, PDA's, calculators etc. are not to be used during class unless the instructor expressly permits. In particular devices that are, or may be, disruptive to a lecture or cause inattention to the lecture may not be used - your cell phone or pager is to be off during class. Access to such electronic devices during tests or exams is not allowed and calculator usage is not permitted without the instructor's permission. Laptop computers are not to be used during class without the specific express permission of the instructor.
4. Students may not leave the room during a test or exam unless they are finished and pass in their paper - please use the wash room before the test or exam. The instructor may permit exceptions for medical reasons (but must be informed of problems before the test or exam begins) or in extenuating circumstances.

Identification

IS495-01 Senior Seminar, 1 credit hour
M 14:30 - 16:30 DH024

Student Learning Outcomes

By federal regulation all courses must have student learning outcomes. At the end of the class the number of students achieving each outcome will be posted. The current learning outcomes are listed below.

- A. The student will identify, define and explain key concepts of professional and ethical issues and responsibilities in computing, and be able to apply those concepts in discussing a case study on the subject.
- B. The student will identify, define and explain key concepts of the legal issues and responsibilities of a computing professional, and be able to apply those concepts in discussing a case study on the subject.

- C. The student will draft a plan for ongoing professional development.

Text

Other references materials may be needed. Some recommended books include

- *Liars & Outliers: enabling the trust that society needs to thrive*, Bruce Schneier, John Wiley & Sons, Inc., 2012
- *Pragmatic Thinking & Learning: Refactor your Wetware*, Andy Hunt, Pragmatic Bookshelf, 2008.
- *Nothing to Hide: The False Tradeoff between Privacy and Security*, Daniel J. Solove, Yale University Press, 2011.

Discussion Site

This term we will be using Piazza for class discussion. The system can be effectively used to getting you help fast and efficiently from classmates, and myself. Rather than emailing questions to the teacher, I encourage you to post your questions on Piazza. If you have any problems or feedback for the developers, email team@piazza.com.

Find our Piazza class page at: <https://www.piazza.com>

Class moodle site

We may also use of the university's learning management system (moodle) this semester.

Information About The Instructor

Dr. David R. Naugler
Department of Computer Science
Office: DH021H Phone: local 2787
Email address: dnaugler@semo.edu

Class Schedule

Monday, Wednesday

09:00 - 09:50 CS300-01 Computer Science III lab (DH026)

11:00 - 11:50 CS350-01 Database (DH024)

Monday

14:30 - 16:30 CS495-01 Senior Seminar (DH024)

Tuesday, Thursday

08:00 - 09:15 CS300-01 Computer Science III (DH024)

11:00 - 11:50 CS345-01 Discrete Structures II (DH022)

Tuesday

13:30 - 15:30 CS440-01 Database Lab (DH026)

Office Hours

MW 10:00-10:50, T 11:00 - 11:50 and by appointment.

Note 1: I am sometimes in the open lab with a student during some of my office hour.

Note 2: Office hours may change without notice.

Please do **NOT** try to see me during the 10 minutes before each of my classes.

Class Policies and Procedures

This class abides by university policies in general.

Credit hour Policy

The federal government defines a credit hour (34 CFR 600.2) as:

An amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.

The definition of a credit hour in the school bulletin indicate that one credit hour is 750 lecture minutes or 1500 lab minutes.

Attendance and academic honesty policies

Students are expected to attend all classes (or equivalent for on-line courses) and labs, to submit all assignments in a timely fashion and to uphold the principles of academic honesty. Students expected to follow the student code of conduct.

See <http://www.semo.edu/pdf/stuconduct-code-conduct.pdf>

Cheating, in its many forms, has consequences. Cheating includes passing off the work of others as your own - this includes copying other students' work and copying inappropriately from the internet. Allowing another student to copy your work counts as cheating. A minor first offence may cause a loss of up to 50% of the possible value involved and subsequent offences will result in a 0 grade for the work. Cheating on tests and/or exams is serious and cheating may lead to a failing grade in the course and/or other disciplinary action. In summary, cheating may lead to a loss of points on the work involved, a failing grade in the course and/or other disciplinary action.

Assignments, Final, Incompletes

You are expected to pass in assignments (programming or otherwise) on time at the beginning of the class period on the day they are due unless the teacher explicitly states otherwise. Assignments need not be accepted late. Assignments accepted late will lose up to 30% of the possible points for each day they are late and normally are not accepted after the beginning of the next class after they are due unless otherwise is clearly indicated by the instructor. A numerical grade of -1 may be given for work not passed in.

Work submitted as your own MUST be your own work. Group work must clearly contain the names and contributions of each member of the group.

Do not enter a classroom or teaching lab before the previous class is over (usually indicated by the professor leaving) and leave the room promptly after a class to allow for the next class. Leave promptly if a professor is waiting - some instructors like to enter the classroom in the period between classes to set up for their class and to talk to students.

Labs are to be used responsibly. Unless otherwise indicated by your instructor, your work is not to be left on lab computers. The teaching lab is NOT for personal use - no use of the internet and no checking of email is permitted in the teaching lab without the instructor's directions or permission.

University rules require that final examinations be given at the scheduled time during finals' week (unless there are extenuating circumstances); the final examination will be COMPREHENSIVE.

Late drops are strongly discouraged in the College of Science, Technology, and Agriculture. A grade of Incomplete can not be given until after the drop date and can be given ONLY to passing students except in exceptional circumstances - see the rules in the University Bulletin.

email

Students are expected to regularly check their Southeast email account. Your email address is considered public. The names and email addresses of each student in the class may be posted on our class web page - you must inform me in writing (email does not count) during the first two weeks of classes if you do not want your name listed and you must give (non-frivolous) reasons.

Any email sent to the instructor must have the class identifier (in the form CS999 or IS999 where 999 is the appropriate number) in the subject line

Changes or official re-interpretations of University, college, or departmental rules or regulations may supersede or cause the immediate revision of any provision in this or other handouts with no advance notice.

Grading (Tentative)

[Tentative]lr Participation & 50%
Assignments, reports, papers &50%

Note: All provisions in this handout are tentative and subject to change. Where reasonable, changes will be discussed and/or notification given to the class. The teacher reserves the right to modify the grading scheme without notice if such changes will not lower any student's grade. The teacher reserves the right to cover fewer, more or different topics than those indicated above with or without prior notification. Questions, comments or requests regarding this course or program should be taken to your instructor. Unanswered questions or unresolved issues involving this class may be taken to the department chair, Dr. David Probst. Any revised version will have a new version number¹ at the bottom of the last page.

¹Version 0.90, January 2015