

Endicott College
Beverly, Massachusetts
School of Arts and Sciences
Computer Science Department
Course Syllabus

Course #: CSC 489.01
Course title: Introduction to Programming
Credits: 3
Pre-requisites: Senior class status or permission of instructor
Semester: Fall 2014
Meeting times: Lectures Friday 1–3:25pm in LSB 212
Textbook: None
Web page: <http://hank.feild.net/courses/2014-fa/csc489>

Instructor: Henry Feild, Ph.D.
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Office hours: Wed. 10am–12pm and 1–2pm; other times by appointment

Catalog Description

Senior Thesis I is the first phase of a two-semester thesis sequence through which students lay the groundwork in an area of interest for the original work they are expected to undertake in Senior Thesis II. Students refine their topics, review and synthesize literature related to their areas of focus, conduct research, and develop research proposals or plans for creative projects. The final course outcomes consist of both a literature review and a Senior Thesis II project proposal.

Learning Outcomes

At the completion of this course the student will be able to:

- identify focused and manageable topics
- synthesize in-depth information from relevant sources representing various points of view and approaches
- develop research proposals or plans for creative projects
- organize and synthesize information and evidence to reveal insightful patterns, differences, and
- write comprehensive papers that incorporate a literature review, the research proposal or plan to be implemented in Thesis II, and other discipline-specific criteria

Teaching/Learning Strategies

This course will consist of weekly meetings. Most of these will be used for students to present work and receive feedback from classmates and the instructor. The course will build up to a full Thesis I document (roughly 30 pages) and a 12 minute final presentation.

Outline

| Week | Dates | Topic |
|------|--------------------|--|
| 1 | Sep. 5 | Course overview; Idea brainstorming |
| 2 | Sep. 12 | Library resources; Overview of lit. reviews |
| 3 | Sep. 19 | What is achievable in Thesis II; Presentations |
| 4 | Sep. 26 | Brainstorming in your area; Summary presentations |
| 5 | Oct. 3 | Informal presentations of topic summaries; Starting a thesis |
| 6 | Oct. 10 | Formal presentations of Topic Summaries |
| 7 | Oct. 17 | Formal presentations continued |
| 8 | Oct. 24 | What is a research proposal? |
| 9 | Oct. 31 | Draft presentations |
| 10 | Nov. 7 | Draft presentations continued |
| 11 | Nov. 14 | Presentations of modified Proposed Solution section |
| 12 | Nov. 21 | Discussion: drafts of lit. reviews and research |
| | <i>Nov. 25, 27</i> | <i>No class—Thanksgiving break</i> |
| 13 | Dec. 5 | Practice presentations |
| 14 | Dec. 12 | Practice presentations continued |
| | Dec. 19 | Final Presentations (1–3pm in LSB 212) |

Grading

| | | | | | |
|---------------------------|-------------------|-------------------|----------------------|-----------------|-----|
| Final Document | | 20% | Homework | | 55% |
| Final Presentation | | 20% | Participation | | 5% |
| 100–94 = A | 89–87 = B+ | 79–77 = C+ | 69–67 = D+ | 59–0 = F | |
| 93–90 = A- | 86–83 = B | 76–73 = C | 66–63 = D | | |
| | 82–80 = B- | 72–70 = C- | 62–60 = D- | | |

Required Texts/Technology

There are not required texts. One suggestion is “Writing for Computer Science” (Zobel, 2004). Students are expected to have access to an on-campus computer (in order to access academic papers available through the library), document editing software (e.g., Word, Latex, etc.), and presentation software (e.g., PowerPoint, Keynote, etc.).

Late Policy

Homeworks are expected to be turned in before the start of class the day they are due (1:59pm). A 10% penalty will be applied for every 24 period from the deadline to when it is submitted.

ADA Policy

If you as a student qualify as a person with a disability as defined in Chapter 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act (ADA) of 1990, the Americans with Disabilities Act Amendments Act of 2008 (ADAAA), you are strongly encouraged to register with the Center for Teaching and Learning. The Center for Teaching and Learning is located in the Diane M. Halle Library room 201 and online at <http://www.endicott.edu/academicresources>. As a student registered with the Center for Teaching and Learning, it is your responsibility to present your accommodation letter to your instructor at the beginning of each semester.

Course Expectations

For each credit hour, students are expected to spend a minimum of two hours on work out-side of class each week. For this four credit course, that is a minimum of eight hours each week.

Students must review the Academic Calendar published by the Registrar's Office online at: <http://www.endicott.edu/Academics/AcademicCalendar.aspx>. Class attendance is expected of all students up to and including the last day of scheduled classes in the semester. Students must plan accordingly.

Attendance/Participation

Attendance and participation are extremely important in this class. **Absences beyond one class may result in up to a 10% penalty on the final course grade per absence.** Please contact the professor in the event of extenuating circumstances resulting in the need for a prolonged absence. Participation is 5% of the total grade. Students who do not actively participate in class discussions will not receive any participation points.

Academic Integrity

Students are expected to abide by the *Academic Integrity Policy* of Endicott College. Cheating will result in failure of the assignment or course or dismissal from the College. Make sure to always cite sources and if you confer with classmates on an assignment, list who those individuals are at the top of your submission. You are expected to be capable of explaining any work you submit to the professor when asked. Submitting identical or near identical assignments, submitting work that is not your own (whether or not you indicate whose it is), not making clear who you consulted with, or not being able to explain your submitted work when prompted will all be considered a violation of the Academic Integrity Policy.

Subject to Change

This syllabus is subject to change at the discretion of the professor. Updates will be announced and the most recent version will be available on the course website.