SYLLABUS
SPRING SEMESTER 2015

CSC 301-001/002 – WEB PROGRAMMING

INSTRUCTOR: Dr. Charles E. Frank
OFFICE: GH 510
PHONE: (859) 572-5320 (office)
EMAIL: frank@nku.edu
WEB PAGE
CSC301-001: http://www.nku.edu/~frank/CSC301-001-Spring2015.html
CSC301-002: http://www.nku.edu/~frank/CSC301-002-Spring2015.html

OFFICE HOURS:

• MW 9:00AM-10:45AM
• MW 12:45PM to 1:45PM
• TR 4:30PM to 5:30PM

{Students are encouraged to see me at other times when I am free.}

PREREQUISITE: C or better in INF 260 and INF 286.


DEPARTMENT SYLLABUS:
The general syllabus for all Computer Science and Computer Information Technology courses is a part of the syllabus for this course.

GRADES: Midterm Examination........................................20%
Comprehensive Final Examination.........................20%
Homework and Computer Exercises......................60%
GRADING SCALE:

- A: 93-100
- A-: 90-92
- B+: 87-89
- B: 83-86
- B-: 80-82
- C+: 77-79
- C: 73-76
- C-: 70-72
- D+: 67-69
- D: 60-66
- F: 0-59

In the homework assignments and computer exercises, you will demonstrate your knowledge of applying web development technology and concepts. In some of the computer assignments, you will web development problem solving.

Exams are given to help you consolidate your learning from the class and to provide both student and instructor with an assessment of how you have learned to think about web programming. The exams are designed to test higher order learning, i.e., your ability to apply what you’ve learned, not simple memorization of facts.

**Mid-term Grade**

Mid-term grades will be posted in myNKU by the deadline established in the Academic Calendar (http://registrar.nku.edu/academiccalendar.html).

**FINAL EXAMINATIONS:**

- CSC301-001: Tuesday, May 5, 2015, 3:10PM to 5:10PM
- CSC301-002: Monday, May 4, 2015, 1:00PM to 3:00PM

**STUDENT LEARNING OUTCOMES:** Upon successful completion of this course, the students should be able to:

1. Create static web content with XHTML;
2. Use some of the JavaScript capabilities to add interactivity and functionality to web pages;
3. Use proficiently one of the most popular web programming / scripting languages, PHP, to create dynamic web sites, which are customizable and contain real-time information. Specifically, the following PHP topics are thoroughly covered and students will be able to: use variables, expressions, decision and repetition statements, arrays; store and retrieve data from files; manipulate strings and use regular expressions; write functions and reuse code; make use of PHP’s object-oriented features; make use of PHP’s exception handling
mechanism; access MySQL databases with PHP; maintain state using sessions;
4. Use some simple web-oriented database techniques with MySQL;
5. Create web-based client-server, simple three-tiers applications;
6. Understand and use some issues around designing and testing client-server programs (there are differences from programming for a single computer);

CLASS POLICIES: Attendance will only be recorded the first three weeks of classes. Students may be administratively dropped during that time for non-attendance. However, if you miss a class (at any time during the semester!) you are responsible for the material covered and the assignments given in that class period.

Student Evaluation of Instructor and Course

Northern Kentucky University takes Instructor and Course Evaluations very seriously as an important means of gathering information for the enhancement of learning opportunities for its students. It is an important responsibility of NKU students as citizens of the University to participate in the instructor and course evaluation process. During the two weeks* prior to the end of each semester classes, you will be asked to reflect upon what you have learned in this course, the extent to which you have invested the necessary effort to maximize your learning, and the role your instructor has played in the learning process. It is very important that you complete the online evaluations with thoughtfully written comments.

Student evaluations of courses and instructors are regarded as strictly confidential. They are not available to the instructor until after final grades are submitted, and extensive precautions are taken to prevent your comments from being identified as coming from you. Students who complete an evaluation for a particular course (or opt out of doing so in the evaluation) will be rewarded for their participation by having access to their course grade as soon as that grade is submitted by the instructor. On the other hand, any student who does not complete the course evaluation (or opt out of doing so in the evaluation) should expect to incur a two week delay in access to his or her course grade beyond the university's official date for grade availability. To complete online evaluations go to http://eval.nku.edu. Click on "student login" and use the same USERNAME and PASSWORD as used on campus.
In addition, you should be aware of:
  - Evaluations can affect changes in courses. Evaluations without comments are less valuable and less credible than those filled out thoughtfully. Comments that are expressed well are more effective than those that are not.
  - Positive feedback is just as important as criticism. Moreover, negative evaluations without any explanation and specifics are not especially useful.
  - Once grades are submitted, all evaluations are read not only by the instructor, but also by the instructor’s department chairperson.
  - Evaluations not only provide feedback to your instructor, but also provide information to the department chair for use in performance evaluations. This information affects reappointments, promotions, salaries, and teaching assignments.

ATTENDANCE: Students are responsible for all materials assigned or covered in class. Attendance will not be taken. Examination dates will be announced in advance. Missed examinations may be made up only under extreme circumstances.

WITHDRAWALS: Students may withdraw without penalty up to Monday, March 23, 2015. Withdrawals after this date are generally not permitted.

ASSIGNMENTS: Homework and computer assignments will be accepted for full credit on the date due. Late homework and computer assignments will be accepted only up to one week late for partial credit. No homework or computer assignments will be accepted after the start of the final examination.
**Student Honor Code**

This Student Honor Code [the "Honor Code"] is a commitment by students of Northern Kentucky University, through their matriculation or continued enrollment at the University, to adhere to the highest degree of ethical integrity in academic conduct. It is a commitment individually and collectively that the students of Northern Kentucky University will not lie, cheat, or plagiarize to gain an academic advantage over fellow students or avoid academic requirements.

The purpose of the Honor Code is to establish standards of academic conduct for students at Northern Kentucky University and to provide a procedure that offers basic assurances of fundamental fairness to any person accused of violations of these rules. Each Northern Kentucky University student is bound by the provisions of the Honor Code and is presumed to be familiar with all of its provisions. Students also should aspire to conduct themselves in a manner that is consistent with the highest degree of ethical integrity in all matters, whether covered in the Honor Code or not. The success of this commitment begins in the diligence with which students uphold the letter and the spirit of the Honor Code. Students may view the complete honor code at [http://deanofstudents.nku.edu/policies/student-rights.html#policies](http://deanofstudents.nku.edu/policies/student-rights.html#policies).

---

**Accommodations Due to Disability:**

The University is committed to making reasonable efforts to assist individuals with disabilities in their efforts to avail themselves of services and programs offered by the University. To this end, Northern Kentucky University will provide reasonable accommodations for persons with documented qualifying disabilities. If you have a disability and feel you need accommodations in this course, you must present a letter to me from the Disability Programs and Services Office (SU 303), indicating the existence of a disability and the suggested accommodations. More information can be found at [http://disability.nku.edu](http://disability.nku.edu).
Credit Hour Policy Statement

In accordance with federal policy, NKU defines a credit hour as the amount of work represented in the achievement of student learning outcomes (verified by evidence of student achievement) that reasonably approximates one hour (50 minutes) of classroom instruction and a minimum of two hours of out-of-class student work. For every course credit hour, a typical student should expect to spend at least three hours per week of concentrated attention on course-related work including, but not limited to, class meeting time, reading, reviewing, organizing notes, studying and completing assignments. At least an equivalent amount of time is expected for other academic activities such as online courses, laboratory work, internships, practica, studio work and other academic work leading to the award of credit hours.

Estimates of the time required for a typical student to complete course expectations are as follows:

In-class: 2.5 hours/week * 15 weeks = 37.5 hours/semester
Reading/Studying: 2 hours/week * 15 weeks = 30 hours/semester
Programming Assignments:
   5 hours/week * 15 weeks = 75 hours/semester
Total: 142.5 hours/semester

THE INSTRUCTOR RESERVES THE RIGHT TO ALTER THIS SYLLABUS IF CIRCUMSTANCES DICTATE.