Course Syllabus

Department: Computing Sciences

Date: 4/17/2012

I. **Course Prefix and Number:** CSC 102  
**Course Name:** Tools for Internet Users  
**Credit and Contact Hours:** 3 credit hours and 3 contact hours

**Catalog Description Including Pre- and Co-Requisites:**
This is a results oriented course designed to teach students the use of the basic tools of the Internet for research, knowledge and enjoyment. An overview of the Internet and WWW, and Web 2.0 and 3.0 technologies will be covered. Included in this overview will be a discussion of what it is, reasons for its tremendous growth, and connection options. A security overview and ethics will also be discussed. Other course topics for discussion and hands-on activity will include e-mail options, Web browsers, groups, social networking, blogging, wikis, chat, search engines, finding people, finding a job, finding government and financial resources, and some elementary web page creation will be covered. (Will not carry CSC credit for any CS degree program.)

**Relationship To Academic Programs and Curriculum:**
This course is considered an introduction to using the web as a tool, and no prior knowledge of computing is required. It is not recommended for any of the computing sciences majors.

II. **Course Student Learning Outcomes:**
Upon completion of the course the participant will be able to:
   a. describe characteristics of the internet and the WWW including a general overview, history, and growth  
   b. explain different services of the web, and understand what makes web 2.0 and 3.0 technologies distinct and so popular  
   c. experiment with a variety of web apps  
   d. discuss a web security overview including security threats and countermeasures  
   e. successfully browse and find info on the WWW using a variety of browsers and a variety of advanced search techniques and search engines  
   f. successfully communicate/interact using different e-mail software platforms, wikis, blogs and social networking sites  
   g. design and create an elementary web page (acc. to predefined specs) using at least one on-line generator  
   h. develop a “team” research paper with 2-3 other class members that will research a current topic of the web, and include source citations. Interaction by the team members will occur only on-line, no f-2-f meeting time will be allowed.

**College Learning Outcomes Addressed by the Course:**

- ☒ writing  
- ☒ oral communications  
- ☒ reading  
- ☒ mathematics  
- ☒ critical thinking  
- ☒ ethics/values  
- ☒ citizenship  
- ☒ global concerns  
- ☒ information resources  
- ☒ computer literacy
III. Assessment Measures (Summarize how the college and student learning outcomes will be assessed):

Student learning outcomes will be assessed through a variety of activities that emphasize critical thinking using the computer including the following:

1. On-line administered examinations will assess the student’s knowledge after every significant part of the course that specifically measures all learning outcomes checked above. Exams will be made up of a variety of question in a variety of formats, including essay questions.
2. Hands-on projects (most to be completed on the web) will assess the student learning outcomes checked above. Students will learn to use the appropriate web application for each task, in a professional manner. Current topic discussions that require journal reading taken from classic web sites and written by technical authors will assess reading, global concerns, ethics, and values.
3. A culminating research paper will be used to assess student writing capabilities and well-reasoned arguments. This will also measure the student’s ability to work well on-line with a group of other students.
4. A student developed website will assess computer literacy, critical thinking, and ethics and values.

IV. Instructional Materials and Methods:

Types of Course Materials:
Since course content is constantly changing, all instructional materials are downloaded from the web.

Methods of Instruction (e.g. Lecture, Labs, Seminars …):
Lecture, discussions, demonstrations, hands-on experiences in the computer labs

V. General Outline of Topics Covered:
Students should be aware that at times in the course of the semester, they may be required to enter personal information on the web. If one is at all sensitive about putting personal information out on the web, one may want to consider taking a different course, such as CSC100 Computing in the Info Age or CSC134,5,6 MS Word, Excel, and PowerPoint.

A. What is Web 3.0 ?
   * Evolution : web 1.0 through 3.0
   * Living in aWeb 3.0 World
B. Creating your own portal to the web
   * iGoogle
C. Social Media and Collaboration
   * Chat, e-mail, IRC
   * Social Bookmarking and sites
   * Social Photo Sharing and social networking, flickr
   * Blogging, micro-blogging (twitter) and wikis
D. Google docs, Neo office, and other on-line free office suites
   * True sharing and collaboration of all documents
E. Web page creation
   * Create a web page using Google sites or some other web based product
F. Web for Entertainment
G. Evaluating Web resources
H. Searching