

Course Number and name: ET 255 Web Systems

INSTRUCTOR
Christina Schaub

OFFICE LOCATION
Room 289 Engineering Complex III

E-MAIL
cschaub@nmsu.edu

OFFICE HOURS
Stop by anytime with quick questions, but if you need more time, please make an appointment.

PHONE 575-646-2224

TEXTBOOK

Readings will be web based and assigned throughout the semester.

PROGRAM OBJECTIVES

The Information Engineering Technology curriculum at New Mexico State University has been designed to instill graduates with the technical and project management skills necessary to enter careers in the design, application, installation, operation and/or maintenance of computer systems, networks, and telecommunications systems dedicated to the processing and transfer of information. Graduates of the baccalaureate degree typically have strengths in the building, testing, operation and maintenance of existing hardware and software systems, and are well prepared for design, development, and management.

PROGRAM OUTCOMES

Graduates of the Information Engineering Technology program must demonstrate knowledge and hands-on competence appropriate to the goals of the program in:

- The application of computer and network hardware, operating systems, system and network administration, programming languages, applications software, and databases in the building, testing, operation, and maintenance of hardware and software systems.
- The application of electrical, electronic, telecommunications, and digital signal propagation fundamentals in the building, testing, operation, and maintenance of hardware and software systems.

Additionally graduates must demonstrate:

- The ability to design, implement, maintain and provide for the security of facilities involved with the processing and transfer of information .
- The ability apply project management techniques to facilities that process and transfer information.
- the ability to apply discrete mathematics, and probability and statistics in the support of facilities that process and transfer information.

COURSE OBJECTIVES

Introduction to web technologies and systems, including hypertext, self-descriptive text, web page design, web navigational systems, and cascading style sheets. Pre-Requisites: ET 160

COURSE OUTCOMES

- Build a simple web site that organizes information effectively
- Identify alternative ways to organize and present information on a web site.
- Select an organization of information based on its inherent structure (chronological, alphabetic, etc.).
- Identify the purpose of a web site or genre (ecommerce, self-service, educational, governmental service, etc.).
- Choose a graphic file type that matches the image characteristics and use.
- Identify time-based media types commonly used on the web.
- Discuss the user of proprietary media and interaction technologies such as Flash, Active X, RealMedia, and QuickTime.
- Use cascading style sheets to create style standards for a web site.
- Describe characteristics of users of a web site that affect design.
- Describe characteristics that enhance usability of a web site.

GRADING

Quizzes: Several quizzes throughout the semester totaling 100 points

Assignments : Two assignments worth 100 points each

Final Project: To be presented in class during finals week. Worth 250 points.

PROFESSIONAL ETHICS

It is the duty of each student to develop and maintain a high level of personal and professional ethics. With this goal in mind, departmental policy states that students found guilty of cheating (**copying, plagiarism**, unauthorized collaboration or uncited references, etc.) will be suspended from the university. Unless otherwise stated, all assignments are individual assignments. This includes all work done in WebCT.

View [Student Handbook](#) for information on conduct.

DISABILITIES, HANDICAPS, SPECIAL CONDITIONS

If anyone has any condition which would impede their access to the material in this course, or their learning the material as it is normally presented, I invite to confidentially disclose this condition so that we may seek remedy. If you have, or believe you have a disability, you may wish to self-identify. You can do so by providing documentation to the Office of Disabled Student Programs located at Garcia Annex (646-1921). Appropriate accommodations may then be provided for you.