



Course Syllabus

Course #: EET 1510 Course Name: Industrial Computing I

Division: Engineering and Industrial Technologies

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Class Days: Class Time:

Location: Classroom:

Laboratory:

Credit Hours:

Contact Hours:

Lab Hours:

Lecture Hours:

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Instructor: Steve Daley

Office Location: E 215 I

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Division Office/Location: Engineering Building

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Full-time Contact Person: Jayne Bowersox

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Course Description:

This course is designed to acquaint the student with the basics of computer operations and networking. The student will install and configure operating systems, applications, and understand file management. The student will also build a workgroup. Basic network administration will be covered.

Prerequisite(s): None

Corequisite(s): None

Entry Level Skills and Knowledge:

Required Texts, Supplies and Equipment:

Text: Mastering Windows 2000 Professional by Mark Minasi

- Hand tools: #1 and #2 Phillips screwdriver
Small blade slotted screwdriver
Needle nose pliers
Small wire cutters

Grading:

The final grade for this course will be derived from class assignments, quizzes, projects, lab tests, written tests, and class participation.

- A = 100-90%
B = 89-80%
C = 79-70%
D = 69-60%
F = 59-0%

Attendance:

The student is expected to attend each class and be on time for the start of class. (Work schedule conflict is the exception).

Learning Outcomes:

General Education

- 1. Communicate effectively
2. Evaluate arguments in a logical fashion—Competence in analysis and logical argument are explicit learning goals for most general education programs, although these skills go by a variety of names (e.g., critical thinking, analysis, logical thinking, etc.). Students will be able to demonstrate competence in problem solving in communication, mathematics, and in team settings.

3. **Employ the methods of inquiry characteristic of natural sciences, social sciences, mathematics, and the arts and humanities;** general education introduces students to methods of inquiry in several fields of study and thereby prepares students to integrate information from different disciplines.

**Assessment of Student Learning:**

**Upon completion of this course, the student should be able to:**

- Understand the basics of file management using Windows Explorer.
- Understand the basics of computer communications and terminology.
- Install an operation system on a computer.
- Install hardware drivers.
- Setup a computer for dual boot.
- Install application software.
- Make ethernet cables.
- Understand the basics of networking and terminology.
- Build a peer-to-peer network using Win2Kpro.
- Create users and be able to assign permissions to the users.

Assessment Project and Measurement in course (if any):

**Course Requirements:**

Complete all assignments as required

<b>Topical Session</b>	<b>Outline Activity</b>
1	Introduction and Overview
2.	Windows
3	<b>Windows</b>
4	<b>Windows</b>
5	<b>Communications basics</b>
6	<b>Communications basics</b>
7	<b>Test One</b>
8	<b>Operating systems</b>
9	<b>Operating systems</b>
10	<b>Networking basics</b>
11	<b>Networking basics</b>
12	<b>Networking basics</b>
13	<b>Test Two</b>
14	<b>Workgroups</b>
15	<b>Workgroups</b>
16	<b>Workgroups</b>
17	<b>Network administration</b>
18	<b>Network administration</b>
19	<b>Test Three</b>
20.	<b>Network administration</b>
21.	<b>Network administration</b>
22.	<b>Final Exam</b>

**Policies**

**Course Withdrawing:** If for any reason you need to withdraw from this course, be certain that you do so according to College procedure. It is your responsibility to know and follow this procedure. If you simply stop coming to class, without officially withdrawing from the course, your grade is an automatic "F." Please follow official College procedure for withdrawing from this or any course.

*College Academic Policies are located in the College Catalog. A copy of the current catalog may be picked up in any of the division offices or admissions. The list of college policies is also available online at <https://www.terra.edu/register/Collegecat/policies.asp>.*

**Support Services:** The College offers a number of support services to assist in your success in this course and all courses. Among these services are the Writing & Math Center in B105, the Office of Learning Support Services, which coordinates the campus disability services and tutoring programs, the computer labs, and the computers in the atriums.

Any student who feels he/she may need an accommodation based on the documentation of a disability should contact the Office of Learning Support Services privately to discuss his/her specific issues. Please contact the OLSS at (419) 334-8400 X 208 or visit 100 Roy Klay Hall (Building A) to coordinate reasonable accommodations.

***If you have a documented disability and are receiving academic accommodations through the Office of Learning Support Services, please schedule a meeting with your instructor in a timely manner so that we may discuss how these services will be arranged.***

Tutoring services are available to students beginning the second week of every quarter. Students requesting tutoring services should obtain a tutor request form from the OLSS in 100 Roy Klay Hall (Building A) or online at the Terra website. Please note that instructor verification and acceptance of the Student Learner Agreement is necessary for all tutoring requests. All requests should be submitted to 100 Roy Klay Hall (Building A).