

COURSE TITLE AND NUMBER: CIS 140 Introduction to Unix

North Central Michigan College

NMC MASTER COURSE SYLLABUS

Last Date Revised: 5/30/2002

DIVISION/AREA: Business and Technology

DEPARTMENT:

DIVISION DIRECTOR: Robert J. Marsh, Ph.D., P.E.

ORIGINATOR:

DEAN OF INSTRUCTION: Timothy Dykstra, Ph.D.

TOTAL HOURS OF INSTRUCTION: 3

LECTURE: 2

LAB: 2

TOTAL CONTACT HOURS: 70.4

COURSE NUMBER: CIS 140

CREDIT HOURS: 3

COURSE TITLE: Introduction to Unix

TRANSFERABLE

YES:

NO: XX

TO:

PREREQUISITE(S)/COREQUISITE(S)/ADVISORY: CIS 100

CATALOG DESCRIPTION:

This is a beginning course in the UNIX operating system which is widely used on the Internet and corporate networks. Topics include the command set of the UNIX operating system, the various editors within UNIX, X-Windows (a graphical shell for UNIX), and the file directory structure on a UNIX-based computer. The course may include some advanced topics such as PERL or CGI.

GENERAL EDUCATION OUTCOMES:

- Think critically and analytically
- Independently acquire knowledge
- Select and use mathematical tools for problem solving and decision making

COURSE OBJECTIVES & OUTCOMES:

At the successful conclusion of this course, the student:

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- will be able to perform the various commands used to operate UNIX computer system.
- will be able to use UNIX text editors to create and modify files.
- will be able to format and store data on permanent storage devices.
- will have an understanding of the role UNIX plays in the Internet and corporate networks.

METHODS OF INSTRUCTION:

Lecture and hands on in class exercises in the computer lab.

METHODS OF EVALUATION:

ASSIGNMENTS

Lab one	Chapter 1	14 pts.
Lab two	Chapter 2	08 pts.
Lab three	Chapter 3	19 pts.
Lab four	Chapter 4	15 pts.
Lab five	Chapter 5	06 pts.
Lab sr3a	Subroutine 3	07 pts.
Lab sr3b	Subroutine 3	08 pts.
Lab six	Chapter 6	11 pts.
Lab seven	Chapter 7	15 pts.
Lab eight	Chapter 8	18 pts.
Lab nine	Chapter 9	07 pts.
Lab eleven	Chapter 11	16 pts.
Quiz one	Chapters 1,2,b Subroutine 1	50 pts.
Quiz two	Chapters 6-8	50 pts.
Mid Term		100 pts.
Final Exam		100 pts.
TOTAL:		500 pts

REQUIRED TEXTS: Guide to UNIX Using Linux, Course Technology 2000

OPTIONAL SUPPLEMENTARY MATERIALS:

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Reasonable accommodations may be provided for students with documented physical, sensory, cognitive, systemic, and/or psychiatric disabilities. Please contact the Education Opportunity Program (EOP) at (231) 348-6687 to arrange services for this course.

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TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

Week	Topic	Chapters
1	The essence of Unix Unix/Linux Internet resources	1 Subroutine 1
2	Syntax guide to UNIX commands Exploring the UNIX file system	Appendix B 2
3	The UNIX editors The Pico editor	3 Subroutine 2
4	UNIX file processing	4
5	Advanced file processing	5
6	UNIX/Linux shells	Subroutine 3
7	UNIX/Linux shells (continued)	Subroutine 3
8	Mid term exam	
9	Introduction to shell programming	6
10	Advanced shell programming	7
11	Exploring the UNIX utilities	8
12	Perl & CGI programming	9
13	Perl & CGI programming (cont'd)	9
14	The X Window system	11
15	UNIX installation and Review	Appendix C
16	Final exam	

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON _____