

COURSE TITLE AND NUMBER:

North Central **Michigan College**

NCMC MASTER COURSE SYLLABUS

Last Date Revised: 5/31/02

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 135

CREDIT HOURS: 3

COURSE TITLE: AS/400 Operations

TRANSFERABLE YES: NO: X TO:

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

CATALOG DESCRIPTION:

The course introduces students to the IBM AS/400 Operating System. Sample topics include: basic AS/400 terminology, hardware and Control Language; physical and logical files; management of system objects; managing devices; controlling printers, print writers and output queues; submitting, controlling and monitoring jobs; IPL; system security and system messages.

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 end of this course students will be able to:

- Sign on and off the AS/400
- Send and receive messages
- Describe the components of hardware and software that make up the AS/400
- Identify the structure of Control Language and create a Control Language Program
- Monitor and control output

COURSE TITLE AND NUMBER:

- Use the AS/400 help functions
 - Create, change and delete objects
 - Design and run a query
 - Learn how to use the Data File Utility (DFU)
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METHODS OF INSTRUCTION:

Lecture and in class exercises in computer lab setting.

METHODS OF EVALUATION:

Tests 50%
 Labs/assignments 50%

REQUIRED TEXTS: Mastering the AS/400: A Practical, Hands on Guide, Jerry Fottral

OPTIONAL SUPPLEMENTARY MATERIALS:

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.

TIME ALLOWANCE AND SEQUENCE OF INSTRUCTION:

Week	Topic	Chapter
1	Introduction/history of the AS/400	1
2	Communicating with the system	2
3	Using CL	3
4	Objects: Creating, deleting and finding	4
5	Spool file management	5
6	Spool file management	5
7	Database files	
8	Midterm	
9	Database files	6
10	DFU	7
11	Query	8
12	Query	8
13	Logical files	9
14	Other database functions	12

COURSE TITLE AND NUMBER:

15	CL Programming, IPL and backup	
16	Final exam	

APPROVED FOR ADOPTION BY THE CRD/AP COMMITTEE ON _____