

COURSE IMPLEMENTATION DATE:	<u>September 1997</u>
COURSE REVISED IMPLEMENTATION DATE:	<u>September 2008</u>
COURSE TO BE REVIEWED:	<u>February 2012</u>
<i>(four years after UPAC approval)</i>	<i>(month, year)</i>

OFFICIAL UNDERGRADUATE COURSE OUTLINE INFORMATION

Students are advised to keep course outlines in personal files for future use.

Shaded headings are subject to change at the discretion of the department – see course syllabus available from instructor

CIS 280	CIS	4
COURSE NAME/NUMBER	FACULTY/DEPARTMENT	UCFV CREDITS
Client/Server Programming		
COURSE DESCRIPTIVE TITLE		

CALENDAR DESCRIPTION:

This course examines the development of connectivity solutions for Client/Server systems. Topics include servers versus clients, SQL-based database systems, transactions, middleware, and communication between clients and servers. A major team-based programming project will be developed and presented by the students at the end of term.

PREREQUISITES: CIS 145 and CIS 180 with C+ or better, or COMP 155 with C+ or better
 Note: As of September 2009, prerequisites will change to the following: COMP 155 with C+ or better

COREQUISITES:
 PRE or COREQUISITES: CIS 230, CIS 270

SYNONYMOUS COURSE(S):

- (a) Replaces: CIS 240
- (b) Cross-listed with: _____
- (c) Cannot take: CIS 240 for further credit.

SERVICE COURSE TO: *(department/program)*

TOTAL HOURS PER TERM: 60

STRUCTURE OF HOURS:

Lectures:	<u>45</u>	Hrs
Seminar:		Hrs
Laboratory:	<u>15</u>	Hrs
Field experience:		Hrs
Student directed learning:		Hrs
Other (specify):		Hrs

TRAINING DAY-BASED INSTRUCTION:

Length of course: _____

Hours per day: _____

OTHER:

Maximum enrolment: 35

Expected frequency of course offerings: Once a year

(every semester, annually, every other year, etc.)

WILL TRANSFER CREDIT BE REQUESTED? (lower-level courses only)

Yes No

WILL TRANSFER CREDIT BE REQUESTED? (upper-level requested by department)

Yes No

TRANSFER CREDIT EXISTS IN BCCAT TRANSFER GUIDE:

Yes No

Course designer(s): Gary Ridsdale

Department Head: Ora Steyn

Supporting area consultation (UPACA1)

Curriculum Committee chair: Edward Lo

Dean/Associate VP: Ian McAskill

Undergraduate Program Advisory Committee (UPAC) approval

Date approved: January 18, 2008

Date of meeting: February 1, 2008

Date approved: January 17, 2008

Date approved: January 23, 2008

Date of meeting: February 29, 2008

LEARNING OUTCOMES:

Upon successful completion of this course, students will be able to:

- Identify how real-world databases are constructed and accessed and how transactions can be generated using Java programming.
- Evaluate the management and dynamics of group projects.

METHODS: *(Guest lecturers, presentations, online instruction, field trips, etc.)*

CIS 280 is a hands-on lab course where practical experience with visual tools and database techniques are developed.

METHODS OF OBTAINING PRIOR LEARNING ASSESSMENT RECOGNITION (PLAR):

Examination(s) Portfolio assessment Interview(s)

Other (specify):

PLAR cannot be awarded for this course for the following reason(s):

TEXTBOOKS, REFERENCES, MATERIALS:

[Textbook selection varies by instructor. An example of texts for this course might be:]

None

SUPPLIES / MATERIALS:

None

STUDENT EVALUATION:

[An example of student evaluation for this course might be:]

Written or programming assignment every other lab period

- worth 15% of final grade
- each due two weeks after it is given

Midterm in November

- worth 10%

Final in usual Finals week

- worth 25%

Programming project

- due at the end of term
- group-oriented
- worth 50% including code, documentation, and presentation

Peer evaluation may be employed in grading a group-based term project.

COURSE CONTENT:

[Course content varies by instructor. An example of course content might be:]

Topics include:

- Servers and clients
- How real-world databases are constructed and accessed
- Transactions
- Middleware
- Java programming for networks
- The SQL language: the *lingua franca* of client-server systems
- Communication between clients and servers
- Distributed objects
- Client/Server and the Internet