

PALOMAR COLLEGE
COURSE OUTLINE OF RECORD FOR
DEGREE CREDIT COURSE

___ **XXX** ___ Transfer course ___ **XXX** ___ A.A. degree applicable course
(check all that apply)

COURSE NUMBER AND TITLE:

GC 216 Web Data Base Design

UNIT VALUE: 3 units

MINIMUM NUMBER OF SEMESTER HOURS: 96 hours

BASIC SKILLS REQUIREMENTS: appropriate language and computational skills

ENTRANCE REQUIREMENTS

PREREQUISITE: GC 202 Web Page Layout 1 (Dreamweaver section)

COREQUISITE: none

RECOMMENDED PREPARATION:

SCOPE OF COURSE:

Hands-on course to produce dynamically created pages for the Web to serve content drawn from databases. Create databases, Web pages that display data from databases and forms that add, modify and delete database records to maintain and keep content current, catalog important documents or information, and present information.

SPECIFIC COURSE OBJECTIVES:

1. Create simple databases
2. Use server side scripting to create a connection from a Web page to a database
3. Create Web pages that dynamically display data from data bases
4. Create Web-based forms that add, modify and delete records in a database
5. Plan and implement a Web application that makes use of databases

CONTENT IN TERMS OF SPECIFIC BODY OF KNOWLEDGE:

1. Create simple databases
 - Database Basics
 - Creating DSN's for databases
 - Configuring UltraDev to work with databases
 - Establishing a database connection from a Web page

- Displaying dynamic form elements
 - Maintaining databases by creating forms to add, modify and delete record
5. Plan and implement a Web application that makes use of databases: Real world uses for database driven Web sites including:
- Course and product catalogues
 - User registration for events, courses or mailing lists
 - Password protected pages
 - Content Management
 - Discussion Forums

REQUIRED READING:

- **Microsoft Access 2000 Step by Step** — Microsoft Press
- **Sam s Teach Yourself Dreamweaver UltraDev in 21 Days** by John Ray

SUGGESTED READING:

REQUIRED WRITING:

Project write-up (description of purpose, specification of hardware/software, fonts, techniques, etc.)

OUTSIDE ASSIGNMENTS:

Students are expected to spend a minimum of three hours per unit per week in class and on outside assignments, prorated for short-term classes. Students are expected to study the text books, prepare for exams, and prepare assignments.

INSTRUCTIONAL METHODOLOGY:

Check all that apply:

- lecture
- laboratory
- lecture-laboratory combination
- directed study

This course may be offered as a distance learning course and meets Title 5 regulations 55370, 55372, 55374, 55376, 55378, and 55380.

Yes No

If yes, check all that apply.

- Television Course (Video one-way, e.g. ITV, video cassette, etc.)
- Online Course (Text one-way, e.g. newspaper, correspondence, electronic file, etc.)
- Two-Way Video Conferencing (Two-way interactive video and audio)
- One-Way Video Conferencing (One-way interactive video and two-way interactive audio)
- Computer Assisted Instruction (A specialized form of mediated instruction relying primarily on student access to information and prepared lessons or teaching materials through a computer terminal, but not under immediate supervision of a qualified instructor.)

GRADING POLICY AND STANDARDS (include methods of determining whether the stated objectives have been met by students):

Grading will be based upon successful completion of projects for the class. These will include the creation of a database and planning and implementing a Web application. There will also be a hands-on final in

which the students will have to create a data-driven site. Each assigned project and the final will be assigned points and the points will be totalled at the end of the course. Points will be deducted for late work.

- A: 90 - 100%
- B: 80 - 89%
- C: 70 - 79%
- D: 60 - 69%
- F: Below 60%

IS COURSE REPEATABLE FOR REASON(S) OTHER THAN DEFICIENT GRADE?

Yes **xxx** No Number of times course may be taken for credit: **4 times**

If yes, identify specific provision of Title 5 Division 2 section(s), 55761-55763 and 58161 which qualifies course as repeatable:

58161 (c) (2) (A)

CONTACT PERSON: *Lillian S. Payn X 3078*

SIGNATURES:

SIGNATURES ON FILE