IRLS570 Database Development and Management

Updated Mon, 08/24/2009 - 19:00

COURSE NAME, NUMBER AND PREREQUISITES:

[This is a distributed elective course in the Information Technology distribution. Prerequisite: IRLS 504 or consent of the instructor.]

Ed Xia is going to teach this course in Fall 09.

Please see Ed's syllabus at http://sbs.arizona.edu/~mica/class/

COURSE DESCRIPTION:

DATABASE DEVELOPMENT AND MANAGEMENT (3 credits)

This course is designed to help students develop a broad understanding of modern database management systems. It covers theory, methods, and techniques widely used today to design, develop, and maintain a relational database system. The course emphasizes the applications of fundamental database principles in a stand-alone database environment using MS Access on the Windows platform. Applications under internet environment will also be discussed in the class using MySQL, PHP, and Apache in the Linux platform. The course takes a problem-based learning approach through ample hands-on experiences to prepare the student for designing and utilizing real world database systems in a team working environment.

COURSE OBJECTIVES:

This course is committed to facilitating students' development of the following competencies.

- Basic concepts, terminology, literature, and issues related to the creation, organization, management, access and use of knowledge and information;
- Current information and communication technologies and related technological developments and their effects on resources and services in libraries, information
- Theories of library and information science and an ability to apply them to practical problems;
- Principles involved in organization and representation of information;
- roles of library and information professionals, such as instruction; intermediation, and design, provision, and evaluation of services; and
- planning, management, and evaluation of information services.

REQUIRED COURSE MATERIALS:
Refer to the syllabus on my website

**COURSE REQUIREMENTS:**

Refer to the syllabus on my website

**COURSE, SCHOOL, AND UNIVERSITY POLICIES:**

**Academic Code of Integrity**

Students are expected to abide by The University of Arizona [Code of Academic Integrity](http://tech.sbs.arizona.edu/node/1637). "The guiding principle of academic integrity is that a student's submitted work must be the student's own." If you have any questions regarding what is acceptable practice under this Code, please ask an Instructor.

**Accommodating Disabilities**

The University has a [Disability Resource Center](http://tech.sbs.arizona.edu/node/1637). If you anticipate the need for reasonable accommodations to meet the requirements of this course, you must register with the Disability Resource Center and request that the DRC send me, the Instructor, official notification of your accommodation needs as soon as possible. Please plan to meet with me by appointment or during office hours to discuss accommodations and how my course requirements and activities may impact your ability to fully participate.

**Assignment Policies**

Refer to the syllabus on my website

**Incompletes**

The current Catalog reads

> The grade of I may be awarded only at the end of a term, when all but a minor portion of the course work has been satisfactorily completed. The grade of I is not to be awarded in place of a failing grade or when the student is expected to repeat the course; in such a case, a grade other than I must be assigned. Students should make arrangements with the instructor to receive an incomplete grade before the end of the term ...

If the incomplete is not removed by the instructor within one year the I grade will revert to a failing grade.

**GRADING:**

Refer to the syllabus on my website

**INSTRUCTOR NAME AND CONTACT ADDRESSES:**

Ed Xia
Courses

- Syllabi
  - Fall 11
  - Summer 2011
  - Spring 11
  - Fall 10
  - Summer 10
  - Winter 10-11
  - Spring 10
  - Winter 09 10
  - Fall 09
    - IRLS506-001 Research Methods (On Campus Higgins)
    - IRLS506-010 Research Methods (Virtual Atkinson)
    - IRLS506-011 Research Methods (Virtual Seavey)
    - IRLS515-001 Organization of Information (On Campus Frické)
    - IRLS515-010 Organization of Information (Virtual Cui)
    - IRLS515-011 Organization of Information (Virtual Frické)
    - IRLS520-001 Ethics for Library and Information Professionals (On Campus Mathiesen)
    - IRLS520-010 Ethics for Library and Information Professionals (Virtual Fallis)
    - IRLS524 Information Resources and Services
    - IRLS532-001 Online Searching
    - IRLS553 Issues in Culture & Information Technology
    - IRLS561 Academic Libraries Practice and Administration
    - IRLS570 Database Development and Management
    - IRLS571-010 Introduction to Information Technology
    - IRLS571-011 Introduction to Information Technology (Smith)
    - IRLS572-010 Government Information
    - IRLS574 Digital Libraries
    - IRLS575 User Interface and Web Site Design
    - IRLS588-011 History of the Book
    - IRLS608 Planning and Evaluation of Libraries and Information Centers
    - IRLS617-010 Social Epistemology and Information Science
    - IRLS671 Introduction to Digital Collections
    - IRLS675 Advanced Digital Collections
    - IRLS696E Human Rights to Information
  - Summer 09
  - Spring 09
  - Winter 08 09
  - Fall 08
  - Archive of Old Syllabi

- Schedules
  - Core Courses
  - Course Delivery Options
  - Course Descriptions
  - Distributed Electives
  - Individual Studies: Internships, Independent Studies & Practica
  - Registration
Required first course: IRLS504

Suggested Courses by Specialization

Suggested Out of Department Courses

Workload

Guided exploration

Click a term to initiate a search.

Audience

for Students (92)
for Faculty (28)
for Alums (24)
for Staff (17)
for Prospective Students (7)
more...

Course

IRLS417 (2)
IRLS418 (1)
IRLS432 (1)
IRLS470 (2)
IRLS488 (6)
more...

People

Adjunct Faculty (152)
Faculty (150)
Staff (17)
Friends (6)

Semester

Fall 11 (29)
Summer 11 (27)
Spring 11 (30)
Winter 10 11 (1)
Fall 10 (20)
more...

Task

Choosing Courses (27)
Advising (5)
Applying (5)
Registering (2)
Submitting Final Paperwork (2)
more...

Topic

Index (33)
Masters (33)
Research (20)
Knowledge River (16)
News (14)
more...
Related categories

Course: IRLS570
People: Adjunct Faculty » Xia
Semester: Fall 09

Guided keyword