ISTM 4121

This repository contains resources for instructing a university-level course on Database Design & Applications.

university	school	department	semester	course	section	credits
The George Washington University (GWU)	School of Business	Information Systems and Technology Management (ISTM)	Fall 2015 (201503)	Database Design & Applications (4121)	Wednesday Evenings (10)	3

University References:

- Course Description (http://bulletin.gwu.edu/search/?P=ISTM+4121)
- Course Schedule (http://my.gwu.edu/mod/pws/courses.cfm?campId=1&termId=201503&subjId=ISTM)
- Required Materials (http://www.bkstr.com/webapp/wcs/stores/servlet/booklookServlet?bookstore_id-1=122&term_id-1=201503&div-1=&dept-1=ISTM&course-1=4121&section-1=10)
- Tentative Final Exam Schedule (https://registrar.gwu.edu/sites/registrar.gwu.edu/files/downloads/Fall2015TentativeExams.pdf)

Description

This course is described as:

> Theory, architecture, and implementation of database management systems in corporate and organization information systems. Fundamental concepts of database management and processing. Hands-on experience with database management packages.

Subject matter traditionally includes:

- The role of Databases within the context of Information Systems (in Businesses and Organizations)
- Relational Database Usage and Analysis (SQL)
- Relational Database Architecture and Design

Location

building name	room number	address
Duques Hall	351	2201 G Street NW, Washington DC 20052

Schedule

The class meets on Wednesday evenings from 4:00pm to 6:30pm. Class time will include two sessions or roughly equal length (70 minutes) separated by a short (10 minute) break.

time range	usage
4:00pm to 5:10pm	Session I

time range	usage
5:10pm to 5:20pm	Break
5:20pm to 6:30pm	Session II

The class Schedule (SCHEDULE.md) contains a tentative week-by-week description of the topics and technologies covered in each class, as well as assignments given and due. It may change to reflect the pace of instruction.

Calendar

The class meets from 9/1/15 through 12/9/15. The course Calendar (CALENDAR.md) reflects the most up-to-date scheduling information, including class times, instructor office hours, holidays, support sessions, and more.

Learning Community

The Learning Community is comprised of a Professor, a Teaching Assistant, and many Students.

Professor

name	nickname	email	academic qualifications	professional experience	email preferences
Michael Rossetti	Mike	rossetti@gwu.edu (mailto:rossetti@gwu.edu)	MS in Information Systems, GWU 2010	LinkedIn Profile (https://www.linkedin.com/in/mikerossetti)	48-72 hour response grace period

Please wait until end of semester to connect with the professor on LinkedIn, and include the course number (ISTM 4121) in your invitation message.

Teaching Assistant

name	email	academic qualifications
Morui Li	limorui@gwmail.gwu.edu (mailto:limorui@gwmail.gwu.edu)	MS in Information Systems, GWU 2016

Students

This course is required for all business students majoring in Information Systems. Currently, **36** students are registered for this offering.

Prerequisites

Each student enrolled in this course is expected to have already taken one of the following courses:

- *CSCI 1111 – Introduction to Software Development (Java)*
- *ISTM 3119 – Introduction to Programming (Visual Basic)*
- *ISTM 6290 – Python Programming with Database Applications*

Learning Objectives

The Learning Community operates for the following purposes:

1. To expand existing subject matter knowledge
2. To improve technology skills
3. To improve communication and presentation skills
4. To improve writing skills
5. To improve the ability to work in teams
6. To leverage technology as an outlet for creativity

Class assignments are designed to reflect and measure performance against these stated learning objectives.

Operations

Teaching Methods

Balance of Theory and Practice

Instruction will take the form of lectures and hands-on working sessions (labs).

Accompanying Textbook

The following text book has been assigned to accompany this course:

title	author	edition	isbn	price range
Modern Database Management	Hoffer	11th	9780132662253	$120.25 – $256.50

Relevant material from the textbook will be covered during lectures.

Students may purchase, borrow, or loan the book (or a similar/recent version) for more context.

Evaluation Methods

Student learning will be evaluated through examinations and assignments.

name	weight
Assignments (ASSIGNMENTS.md)	50%
Midterm Exam (exams/midterm.md)	25%
Final Exam (exams/final.md)	25%

Communication and Collaboration

To ensure students receive sufficient instructional support and equal access to the time and attention of instructors, and to provide students with hands-on experience using contemporary business collaboration tools (http://www.theatlantic.com/technology/archive/2015/07/the-secret-startup-saved-healthcare-gov-the-worst-website-in-america/397784/) , members of the Learning Community will communicate and collaborate using a specified set of tools and guidelines (COMMUNICATIONS.md) .

Conduct

To foster and promote a positive and successful learning environment, each member of the Learning Community agrees to abide by University Codes of Conduct (CONDUCT.md) .