



CIS 20.2:
design and implementation of software applications 2
spring 2010
course information

<http://www.sci.brooklyn.cuny.edu/~sklar/cis20.2/>

- *instructor:*
Prof Elizabeth Sklar (email: sklar@sci.brooklyn.cuny.edu; AIM: *agentprof*)
office hours: Wednesdays 3.00-5.00pm and Thursdays 12.30-2.30pmm
office: 1417N
- *lectures and labs:*
Tuesdays and Thursdays 11.00am-12.15pm, room 130 NE
Note that sometimes we will be in room 5301N. Check the class web page for location each day. Announcements will also be made in class.
- *prerequisites:*
CIS 20.1 (with a grade of C or better)
- *course description:*
This course will focus on designing, building and testing a database-backed intelligent web-based system. Emphasis is on software development concepts, tools and technologies, database systems, and intelligent systems. *The course format consists of a mixture of lecture and laboratory class sessions, with strong emphasis on hands-on learning.*
- *the following topics will be covered in 4 curricular units:*
 - (I) **software development**
(software engineering, processes, patterns, testing)
 - (II) **database systems**
(information models, mysql, php)
 - (III) **tools and technologies**
(interoperability, xml/json, uml, configuration management, content management)
 - (IV) **intelligent systems**
(intelligent interface agents, decision making, knowledge representation)
- *assessment:*
 - 60% assignments and projects
 - 10% midterm exam
 - 30% final exam