THE UNIVERSITY OF MEMPHIS
Fogelman College of Business and Economics
MIS 7682 – SOFTWARE TESTING TOOLS/TECHNIQUES
Spring 2010

INSTRUCTOR: Prof. M. Gillenson
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SYLLABUS & ASSIGNMENTS: MIS7682 folder at
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OFFICE HOURS: MW 5:30 – 7:00PM

PREREQUISITE: The prerequisite for this course is MIS 7681.


OBJECTIVES: The main focus of the course this semester will be software testing in the agile
software development environment. However, the course will begin with a
general introduction to software testing and additional advanced topics may be
covered later in the course.

METHODS: Lectures, guest lectures from the business community, homework, exams, and
projects.

GRADING: One midterm exam -- 20%
A comprehensive final exam. -- 40%.
Final Exam Date and Time: Monday, May 3, 2010, 7:00-9:00PM.
Course projects -- 30%
Homework and class participation- 10%
Late homework will only be accepted with the approval of the
instructor.

Attendance in class is expected, as lectures and class discussion are an important part of this course.

Students are required to read all of the assigned chapters and pages of the course
textbook and other assigned sources. Students are responsible for the material in
the assigned readings and for all material in the lectures.

Students are responsible for all work covered and all announcements made in
class. Finding out about work and announcements missed due to lateness or absence for any reason is each student’s responsibility.

POLICIES: All University of Memphis policies regarding Classroom Misconduct and Cheating will be enforced. Details of the policies can be found in the Student Handbook, www.memphis.edu/stuhand2 or at the Office of Judicial and Ethical Programs Web site, www.people.memphis.edu/~jaffairs/.” Please turn off all cell phones and pagers before coming to class.

University of Memphis regulations allow an instructor to discuss grades with a student only in person or by email request on the student’s U of M email account. Instructors are not permitted to discuss grades by phone or by email request on a non-U of M email account.

The use of laptop computers and other electronic devices in class is not permitted, except for taking lecture notes.

Course Topics
Introduction to Software Testing
Introduction to Agile Software Development
Introduction to Agile Testing
Organizational Challenges in Agile Testing
The Four Quadrants of Agile Testing
Automation in Agile Testing
Agile Testing Life Cycle