

IS 3844 Syllabus Developing Business Applications in .NET

Professor: Brian Lawton
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Course Description:

This course will enable students to design, implement, and debug object-oriented and data driven business applications in Visual Basic.NET. Students will learn application design choices, object-oriented design principles, event-driven programming, user interface programming using Windows Forms and user interface controls, data binding and database access using ADO.NET, exception handling, debugging and effective ways of working with Visual Studio.NET.

Textbook

(3844) "Visual Basic 2013 How To Program" 6th edition Deitel

Video Vignettes: created by Brian Lawton

01 Create Project and add database: <http://screencast.com/t/MkLZ6RbEhV>

02 Add LogonProvider: <http://screencast.com/t/Hm9DahMi>

03 Add Logon Page: <http://screencast.com/t/wb7tjn3kmW4X>

<http://screencast.com/t/lXbj4VYusJB5>

04 Add new evaluation page: <http://screencast.com/t/SgQH3y4w>

05 Add default landing page: <http://screencast.com/t/hkdqrHf3>

06 Add evaluation page: <http://screencast.com/t/rQGtss1CTNF>

07 Add view evaluations page: <http://screencast.com/t/ukgciRxxw2w>

Evaluation

A letter grade will be assigned based on performance in two exams and three programming assignments. The exams and assignments will be weighted as follows:

2 Assignments	40%
Midterm Exam	20%
Presentation	20%
Final	20%

IS 3844 Tentative Schedule

WEEK	TOPIC
01	Review IDE environment and .NET Concepts
02	Review Language Basics Selection Structures
03	Language Basics Control Structures
04	Language Basics Control Structures
05	Methods Sub Routines and Functions
06	Pass by Value vs. Pass by Reference
07	<i>Exam 1</i>
08	Connecting to databases
09	Logon Providers and Web config. file (XML settings)
10	Web Forms
11	Web Forms and Reports
12	Advanced topics .NET - MVC
13 & 14	Presentations on Advanced topics
15	Review, Evaluations
16	<i>Exam 2 FINAL (TBD 7:45p.m. - 9:45p.m.)</i>

Student Disability:

If anyone has a health condition or disability, which may require accommodations in order to effectively participate in this class, please let me know. This information will be kept strictly confidential.

Academic Dishonesty Guidelines: (from Academic Affairs website, revised May 2003)

Students at the University of Missouri-St. Louis are expected to exhibit the highest standards of academic integrity. An act of academic dishonesty is an offense against the university. For that reason, university rules prescribe disciplinary as well as academic consequences for academic dishonesty.

The bulletin and student planner provide guidelines for appropriate academic conduct. The following procedures guide the campus in upholding the University of Missouri Collected Rules