# Course Syllabus of ISM3230 Fall 2012

<table>
<thead>
<tr>
<th>General Information</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Course Number/CRN</strong></td>
<td>ISM 3230/CRN 80225</td>
</tr>
<tr>
<td><strong>Course Title</strong></td>
<td>Introduction to Business Programming</td>
</tr>
<tr>
<td><strong>Semester/Year</strong></td>
<td>Fall/2012</td>
</tr>
<tr>
<td><strong>Offering College/Department</strong></td>
<td>Lutgert College of Business (LCOB)/Information Systems and Operations Management (ISOM)</td>
</tr>
<tr>
<td><strong>Credit Hours</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Meeting Times/Location</strong></td>
<td>Room :LH 2209</td>
</tr>
<tr>
<td><strong>Start Date</strong></td>
<td>Class Aug. 20, 2012</td>
</tr>
<tr>
<td><strong>End Date</strong></td>
<td>Exam Dec. 12</td>
</tr>
<tr>
<td><strong>Days</strong></td>
<td>December 3, 2012</td>
</tr>
<tr>
<td><strong>Time</strong></td>
<td>M W 5 pm – 6:15 pm</td>
</tr>
<tr>
<td><strong>Is this a DL Course?</strong></td>
<td>No, it is an on-campus course.</td>
</tr>
<tr>
<td><strong>Method of Delivery</strong></td>
<td>Class meetings.</td>
</tr>
<tr>
<td><strong>Course URL</strong></td>
<td><a href="http://elearning.fgcu.edu">http://elearning.fgcu.edu</a> (select “ISM 3230” course and click “Lessons”)</td>
</tr>
<tr>
<td><strong>Prerequisites</strong></td>
<td>Know how to install and run Windows and Web applications; how to manage files, directories, and disks in a Windows environment.</td>
</tr>
</tbody>
</table>

## Instructor Information
- **Instructor**: Rob Totterdale, D.Sc., CSP, CITP
- **Office Location**: Lutgert Hall 3344
- **Phone Number**: 239-590-7362
- **E-Mail Address**: rtotterdale@fgcu.edu
- **Office Hours**: Mon & Wed 3-5 pm , Mon 2-3 pm or by appointment

## Course Information
- **Description**: Introduction to problem-solving and business application development using a modern programming language. Students learn programming concepts (design, code, test, and debug), language syntax, and principles of object oriented development. Assignments include the development of a basic business application with a graphical user interface (GUI).

## Student Learning Outcomes
- After successfully completing this course, students will be able to:
  - Learn the basics of a modern interactive development environment including creating projects/applications, basic screen design, coding, and testing (Netbeans)
  - Design and implement an effective user interface. This includes the proper use of graphical user interfaces controls such as menus, toolbars, editing windows, forms, and other common controls.
  - Write code to solve common business problems, taking input from the user or file-based data set, perform calculations, and display the results.
  - Test code to uncover and correct errors in syntax and logic.
  - Write well-structured code that follows industry standards for naming and documentation.

Students will demonstrate this knowledge by creating business-oriented applications and completing several exams. Upon completing this course students will be able to create file based desktop applications. This knowledge will be extended in ISM 3232 Intermediate Programming and ISM 3212 Database Concepts and Administrations so that students will have the capability to create database applications.
**Required Materials**

**Required textbook:**


**Other Resources:**

- Angel Quick Start Guide
- Java Reference Manual
- Netbeans Tutorials
- Oracle/Sun's Java Website
- Textbook Website (supplements, practice quizzes, video notes)

---

**Course Topics**

- Introduction to Programming including the role and responsibility of programmer.
  - Development life cycle
  - Java and Netbeans IDE
  - Data types and operations
  - Selection statements
  - Loops
- Data handling and arrays
- Graphical user interfaces including the use of toolbars and menus
- Object oriented programming concepts including methods, objects, and classes
- File I/O including exception handling
- Object oriented design (time permitting)

**Important Dates**

- **Aug 20**  First class meeting
- **Sept 3**  Labor day- No class
- **Sept 19**  Exam 1 (tentative)
- **Oct 24**  Exam 2 (tentative)
- **Nov 2**  Last day to drop without academic penalty
- **Nov 12**  Veterans day- No class
- **Dec 3**  Last day of class
- **Dec 4-5**  No Classes
- **Dec 12**  Final Exam

**Grading Policy**

**Graded Learning Activities/Assignments in this course:**

- Participation, attitude, and attendance - 5%
- Homework, projects, quizzes - 35%
- Exam 1 - 20%
- Exam 2 - 20%
- Final Exam - 20%

**Grading Scale**

- 90-100%  A
- 80- 89%  B
- 70- 79%  C
### 60- 69% D
0- 59% F

+ and - grades may be given to borderline students at the discretion of the instructor

<table>
<thead>
<tr>
<th>Attendance Policy</th>
<th>Students are expected to attend every class session. It is the student's responsibility to get course notes from fellow students should they have to miss a class.</th>
</tr>
</thead>
</table>
| Policy regarding missed exams and assignment completion deadlines | **Late Assignments:**

Late assignments will be penalized 20% per week. No assignment will be accepted more than 2 weeks after its due date.

**Makeup Exams:**

Makeup exams may be given in the case of student's illness or family emergency only. The student must make every effort to contact the professor *prior* to the exam if they cannot take the exam at its scheduled time. Quizzes and in class assignments cannot be made up. |
| Policies regarding in-class use of cell phones, PDAs, laptops, and other personal electronic devices | Cell phones must be turned off before coming to class. *Bringing food or drink to class or office hours is strictly prohibited.* |
| Statement on e-mail usage in Eagle mail and/or ANGEL email | Angel will be used to submit assignments, course mail, and to post course notes. |
| Last Day to withdrawal | November 2 is the last day to withdrawal without academic penalty. |
| Disclaimer | Assignments, schedules & due dates, instructions, and other course information presented in angel are integral components of the course material and are hereby incorporated as part of this syllabus.

The instructor reserves the right to change, modify, alter, or transform any part of this syllabus, provided only that notice thereof is given to or at any party or parties that are thereby affected, subject to the rules and regulations of Florida Gulf Coast University. |

### University Statements

#### Academic Behavior Standards and Academic Dishonesty

All students are expected to demonstrate honesty in their academic pursuits. The university policies regarding issues of honesty can be found in the FGCU Student Guidebook under the **Student Code of Conduct** and **Policies and Procedures** sections. All students are expected to study this document which outlines their responsibilities and consequences for violations of the policy. The FGCU Student Guidebook is available online at [http://studentservices.fgcu.edu/judicialaffairs/new.html](http://studentservices.fgcu.edu/judicialaffairs/new.html).

Sanctions for academic dishonesty may include receiving an “F” in this course – FGCU may impose additional penalties. Any incidents of academic dishonesty may be referred to the FGCU Office of Judicial Affairs. Please look up the definition of plagiarism – it includes copying something off the Internet & submitting it as your own work.

Some examples of what is **NOT** OK to do:

- Working with another student & turning in the same work (e.g. spreadsheet, database, etc).
- Emailing or posting your work to let someone else “just see how you did it”.
- Copying someone’s assignment or copying something from a book or the Internet.
- Giving or receiving help from someone (in person, on line or on the phone) during an online test.
- Telling someone else what is on a test.

Examples of what is OK:
- Discussing how to approach an assignment with another student.
- Showing someone where they might have made a mistake on an assignment.
- Asking the professor for help.

**Disability Accommodations Services**
Florida Gulf Coast University, in accordance with the Americans with Disabilities Act and the university’s guiding principles, will provide classroom and academic accommodations to students with documented disabilities. If you need to request an accommodation in this class due to a disability, or you suspect that your academic performance is affected by a disability, please contact the Office of Adaptive Services. The Office of Adaptive Services is located in Howard Hall 137. The phone number is 239-590-7956 or TTY 239-590-7930.

**Student Observance of Religious Holidays**
All students at Florida Gulf Coast University have a right to expect that the University will reasonably accommodate their religious observances, practices, and beliefs. Students, upon prior notification to their instructors, shall be excused from class or other scheduled academic activity to observe a religious holy day of their faith. Students shall be permitted a reasonable amount of time to make up the material or activities covered in their absence. Students shall not be penalized due to absence from class or other scheduled academic activity because of religious observances. Where practicable, major examinations, major assignments, and University ceremonies will not be scheduled on a major religious holy day. A student who is to be excused from class for a religious observance is not required to provide a second party certification of the reason for the absence.

**How To Log Into the Course in ANGEL**
- Activate your FGCU EagleMail Account (if you have not done this yet). Your FGCU EagleMail account MUST be activated to log in to ANGEL. If you are a first time student, you will need your PIN and Eagle ID, both of which are assigned at registration.
  - If you don’t know your PIN, you will need to go to the Registrar’s office to retrieve it.
  - To activate your account, visit [http://admin.fgcu.edu/IS/applications/studentaccts/activate.asp](http://admin.fgcu.edu/IS/applications/studentaccts/activate.asp).
- Log in to ANGEL at [http://elearning.fgcu.edu](http://elearning.fgcu.edu). You need to use FGCU EagleMail account and password to log in.
  - Expand Fall 2012 if it is not.
  - Click ISM3230 Information Systems CRN80225.
<table>
<thead>
<tr>
<th>Weeks/Dates</th>
<th>Lecture Topics</th>
<th>Reading Assignments +Notes</th>
<th>Reading Due</th>
<th>Hands-On Assignments</th>
<th>Exams</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wk1 (Aug 20-22)</td>
<td>Introduction and Netbeans</td>
<td>Chapter 1 Introduction</td>
<td>08/20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk2 (Aug 27-29)</td>
<td>Data types and operations</td>
<td>Chapter 2 Data types and operations</td>
<td>08/27</td>
<td>Assign 1 Due 08/27</td>
<td></td>
</tr>
<tr>
<td>Wk3 (Sep 5)</td>
<td>Selection Statements</td>
<td>Chapter 3 Selection statement, Boolean logic</td>
<td>09/05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk4 (Sep 10-12)</td>
<td>Loops</td>
<td>Chapter 4 Loops (sections 1-6, 9)</td>
<td>09/10</td>
<td>Assign 2 Due 09/10</td>
<td></td>
</tr>
<tr>
<td>Wk5 (Sep 17-19)</td>
<td>Review</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk6 (Sep 24-26)</td>
<td>Arrays</td>
<td>Chapter 6 arrays (1-7, 11)</td>
<td>09/24</td>
<td>Assign 3 Due 09/26</td>
<td></td>
</tr>
<tr>
<td>Wk7 (Oct 1-3)</td>
<td>GUI</td>
<td>Chapter 12 GUI basics</td>
<td>10/01</td>
<td>Assign 4 Due 10/03</td>
<td></td>
</tr>
<tr>
<td>Wk8 (Oct 8-10)</td>
<td>Menus, Toolbars</td>
<td>Chapter 17 Menus, Toolbars, other controls (notes)</td>
<td>10/08</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk9 (Oct 15-17)</td>
<td>Methods/objects</td>
<td>Chapter 5 Methods (sections 1-9) Chapter 8 Objects (sections 1-10)</td>
<td>10/15</td>
<td>Assign 5 Due 10/15</td>
<td></td>
</tr>
<tr>
<td>Wk10 (Oct 22-24)</td>
<td>Review</td>
<td>Review</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk11 (Oct 29-31)</td>
<td>Exception Handling</td>
<td>Chapter 13 Exception handling (sections 1-8)</td>
<td>10/29</td>
<td>Assign 6 Due 10/29</td>
<td></td>
</tr>
<tr>
<td>Wk12 (Nov 5-9)</td>
<td>Strings and Text I/O</td>
<td>Chapter 9 Strings and Text I/O</td>
<td>11/05</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk13 (Nov 14)</td>
<td>Current Trends</td>
<td>Android Programming Notes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk14 (Nov 19-21)</td>
<td>Software Testing, Documentation, Quality</td>
<td>Software Documentation, testing, quality (notes)</td>
<td>11/19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk15 (Nov 26-28)</td>
<td>Review &amp; Discussion</td>
<td>Review</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wk16 (Dec 3)</td>
<td>Integrated Development Environment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec 12</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Final Exam</td>
</tr>
</tbody>
</table>