Course Objectives:
This is a 1 credit-hour, Self-Study, “Satisfactory / No Credit” course designed to help you acquire and to test whether you possess an adequate level of proficiency in and comfort with spreadsheet software. Satisfactory completion of the course is a requirement to pursue (i.e., complete) an undergraduate degree in any area of the School of Management (SOM) at GMU. Further, most employers expect their hires to be proficient in Excel and to be able to learn about new software on their own.

As a self-study course, it is your responsibility to learn how to enter, organize, update, and analyze data appropriate to different business scenarios using the Microsoft Excel spreadsheet software package. This includes an exploration of the rich and varied capabilities of the software. MIS 102 will help you become aware of the uses and familiar with the capabilities of spreadsheets in business. (Note that this is one of SOM’s Undergraduate Learning Goals).

Class Sessions:
All class sessions are in Innovation Hall 223. The first class is intended to briefly introduce the course, course content, and course expectations, and to familiarize you with the lab setup and lab rules for taking the exams; it is the only formal ‘lecture’ session. All other classes are test-taking sessions in the lab.

The exam schedule is shown below. You must pass two separate exams to get a “Satisfactory” grade in MIS 102. You get a maximum of two attempts to pass each exam. You must pass Exam 1 in order to be eligible to take Exam 2. If you fail Exam 1 two times, you cannot take Exam 2 and will receive a “No Credit” grade for the course. If you pass Exam 1, but are not successful in passing Exam 2 after two attempts you will receive a “No Credit” grade for the course.

Required and Suggested Materials (Note the revised SimNet and Book information):
Required Materials – SimNet (on-line) One Module (Excel 2007) Registration Card – available at the GMU bookstore cash registers OR available on-line. ALL students must get this card to take the Exams. Each student must have their own card. (The card will allow access to SimNet for about one year.)

Optional Materials (but Strongly Encouraged)

Note: In the O’Leary text, Labs 1, 2, 3, 5, and 6 cover the suggested topics listed below.
– The SimSearch section of the SimNet software. (This option is free with SimNet registration.)
– The Help section of Microsoft Excel 2007. (This capability is included with the Excel software.)
Requirements for a “Satisfactory” (i.e., passing) grade
You must take and pass two exams during the term. The exams must be taken in Innovation Hall 223 on the day and times listed on the schedule for the section in which you are registered. Both exams must be passed; you will have up to two attempts for each exam. You must score 75% or above on both Exam 1 and Exam 2 to pass the class.

Both exams are in SimNet. Exam 1 is a multiple-choice exam containing 25 questions on general Excel 2007 proficiency. Exam 2 involves the completion of 20 hands-on exercises in an Excel 2007 simulated environment. You’ll have about an hour for each exam. At the end of the exam session, all unanswered questions will be counted as incorrect.

SimNet:
Each individual MUST buy the SimNet registration card (from the GMU bookstore or from the SimNet website – https://gmu.simnetonline.com) for Excel 2007 in advance of taking the exams. You can complete the SimNet registration for your specific MIS 102 section once you have bought the card or paid for the registration on-line. (Note: The class link in SimNet will be available by the time the semester starts.) This can also be done during the first class session. **IMPORTANT: Each student MUST enroll in SimNet for the section in which you are actually registered for the course.**

After entering SimNet, you will have access to one (or more) practice exam(s) at appropriate times during the duration of this course. I strongly encourage you to go through Practice Exam 1 to become familiar with the type of questions that may be asked and to better understand the Exam 1 expectations. Note that these Practice Exams are intended to provide you with some experience with how the exams work in SimNet; they are not broad study aids on all that might be asked on an exam. It is also worthwhile to go through Practice Exam 2 and other lessons in SimNet to become familiar with SimNet’s hands-on format that is used in the simulated Excel 2007 environment for Exam 2.

You can take the practice exams at any time or place you desire on a computer that has an Internet connection and meets minimal hardware-software specifications. Recall, however, that the exams may be taken only in the Innovation Hall 223 computer lab during your designated times on the appropriate dates. Note that you do not come to the classrooms to practice, only to take exams when you are ready. And, you do not need to come to class on days in which you are not taking an exam.

**Systems requirements for using SimNet:**
- Your system must use Internet Explorer 7 (or higher) or Mozilla Firefox 3.0 (or higher) for SimNet to work properly when you practice outside the lab. The Innovation Hall lab (Rm 223) computers have both browsers installed and available. However, Mozilla Firefox is the recommended browser for use in the labs.
- Turn off the Pop-Up Blocker while you are using SimNet. In Firefox, use Tools/Options/Content, then uncheck “Block Pop-Up Windows.”
- Make sure you have Adobe Flash Player to simulate the test environment in SimNet. The latest version is available for free download from www.Adobe.com.

**Suggested (though not complete) list of topics in Excel that you MUST know:**
- The difference between relative and absolute references while entering/copying formulas in the worksheet
- How to use formulas involving arithmetic operators +, -, *, and /
- The proper use of parentheses and percentage calculations
- The difference between numbering formats, e.g., currency, accounting, comma, and percent
- How to copy formulas and fill neighboring ranges with data series
- How to hide/unhide columns and rows
- Statistical functions for sums, averages, highest, lowest, and data counting, along with other built-in functions
- The testing conditions (involving =, <, >, <=, >=, AND, OR, etc.) to write “IF” statements
- The financial functions for periodic payments for loans, present value, and future value
- Conditional formatting and copying/removing formats
- How to create simple graphs/charts from a spreadsheet data range (i.e., bar/line charts, 2d-/3d-pie charts, etc.)
- How to work with data in tables, sort into ascending/descending order, and filter selected table data
- How to group/separate data in a table, generate subtotals, create summaries
- The Excel 2010 environment for saving, printing, and changing page layouts
- How to write formulas linking data in multiple sheets in a workbook
### Schedule

<table>
<thead>
<tr>
<th>Date</th>
<th>Week #</th>
<th>Activity</th>
<th>Section # &amp; Time</th>
<th>211</th>
<th>213</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>209 10:30 – 11:45 AM</td>
<td>12:00 – 1:15 PM</td>
<td>4:30 – 5:45 PM</td>
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<tr>
<td>Aug 30</td>
<td>1</td>
<td>Course Introduction</td>
<td>Thur – Aug 30 10:30 AM</td>
<td>Thur – Aug 30 12:00 PM</td>
<td>Thur – Aug 30 4:30 PM</td>
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<tr>
<td>Sept 6</td>
<td>2</td>
<td>Exam 1 Arrive on time w/ GMU ID</td>
<td>Thur – Sept 6 10:30 AM</td>
<td>Thur – Sept 6 12:00 PM</td>
<td>Thur – Sept 6 4:30 PM</td>
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<tr>
<td>Sept 13</td>
<td>3</td>
<td>Exam 1 Arrive on time w/ GMU ID</td>
<td>Thur – Sept 13 10:30 AM</td>
<td>Thur – Sept 13 12:00 PM</td>
<td>Thur – Sept 13 4:30 PM</td>
</tr>
<tr>
<td>Sept 20</td>
<td>4</td>
<td>Exam 1 Arrive on time w/ GMU ID Last chance to take Exam #1</td>
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<td>Thur – Sept 20 4:30 PM</td>
</tr>
<tr>
<td>Sept 27</td>
<td>5</td>
<td>Exam 2 Arrive on time w/ GMU ID</td>
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<td>Thur – Sept 27 12:00 PM</td>
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<tr>
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<td>6</td>
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<td>Oct 11</td>
<td>7</td>
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<td>Thur – Oct 11 12:00 PM</td>
<td>Thur – Oct 11 4:30 PM</td>
</tr>
</tbody>
</table>

Exams are given in Innovation Hall 223 based on the schedule above. Make sure you have your GMU ID with you to gain admission to the exam session; you must have your ID with you to take an exam. **Further, you must take your exam with the section in which you are registered.** You will not be admitted into the lab for that session if you arrive more than 5 minutes after the start of the time of the Exam. In addition to knowledge of Excel spreadsheets, the speed of exam execution may be a factor, especially for the second exam. All Exam sessions have a duration of about an hour.

Note: You will be allowed to use Excel Help during the exam sessions. However, you may not use the Internet or Internet-based material during the exams. Note that some items within Excel help may link to material on the Internet. If a link opens a window and has a web address, you have moved beyond Excel and must immediately exit that Internet page.