Syllabus for SIE 377
Software for Engineers
Fall 2011

Course:

Lecture: MWF 11:00–11:50, ECE 229

Lecturer: Rashid Aljalahema

Office: ENGR 268
Phone: 626-0728
Email: rashid@email.arizona.edu
Office Hours: 1:30PM-3:00PM T-Th and by appointment

Teaching Assistant: Biao (Benjamin) Wang

Office: ENGR 123
Email: benjamin69@email.arizona.edu
Office Hours: 9:00AM-10:00AM MW

Course Description: This course is divided into 3 dependent and sequential parts. We will first cover basics of programming. We will implement those basics in Visual Basic for Applications (VBA) in Microsoft© Excel. We will then work on programming that relates to SIE applications. Finally, we will cover database design and control using Microsoft© Access.

Prerequisites: ENGR 170 or an equivalent programming course.

Note: The book is optional; however, if you feel that you do not have a strong background in programming, I highly recommend using the book. There are many other resources for VBA and database design that can be found in bookstores as well as on the Internet.

Course Website: Course material, announcements, grades and other pertinent course information will be posted on the course’s D2L website (www.d2l.arizona.edu). Students should regularly visit the D2L site to stay up-to-date with the course announcements.

Homework: Homework will be assigned throughout the semester. Homework is due at the beginning of class on the due date unless specified by that particular assignment. Most assignments will need to be uploaded to a dropbox on D2L. You will be notified of the due times of those assignments. Assignments can be turned in one day, and only one day, late for a 15% deduction to the final grade.

In-Class Exercises: There will be many in-class exercises. These will be conducted during class for approximately five to ten minutes. They will be graded as pass or fail. Programming in-class exercises will need to be uploaded to the appropriate D2L dropbox. If you miss an in-class exercise, you will not be able to make up that exercise. To receive full credit on the in-class exercise portion of your grade, you must pass 80% of the total number of in-class exercises. These exercises are meant for practicing the material covered in the class.

Exams: There will be two exams on VBA for Microsoft® Excel. The final exam will be on the database design portion of the course only.

Exam Schedule:

Midterm 1: Friday, October 14, 2011
Midterm 2: Friday, November 18, 2011
Final Exam (Midterm 3): Friday, December 9, 2011 (10:30am - 12:30pm)

Note: The dates for these exams (except for the final exam) are tentative. If any of these dates change, I will give ample notice.
Grading:

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<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Homework</td>
<td>35%</td>
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<tr>
<td>In-Class Exercises</td>
<td>5%</td>
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<tr>
<td>Midterm 1 Exam</td>
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<tr>
<td>Midterm 2 Exam</td>
<td>20%</td>
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<tr>
<td>Final Exam</td>
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**Working Together:** You have to work alone on your homework assignments. You may ask others for clarification but do not copy any of their work. It is easy for me to spot plagiarism in programming code. At the first infraction, all parties involved will receive a warning. At the second infraction, both parties will receive a grade of 0 on the assignment. At the third infraction, I will report you as per the Academic Dishonesty and Plagiarism section in the Student Code of Academic Integrity manual that can be found in [deanofstudents.arizona.edu/codeofacademicintegrity](deanofstudents.arizona.edu/codeofacademicintegrity).

**Absences:** You are responsible for all materials covered in class, so you are expected to attend every class. All holidays or special events observed by organized religions will be honored for those students who show affiliation with that particular religion. Absences pre-approved by the UA Dean of Students will be honored.

A University excuse from a scheduled class activity such as an exam must be presented in writing no later than one week prior to the date of the absence. An absence due to illness or family emergency may be excused, provided that you can supply acceptable written evidence if required, and that you notify the instructor as soon as possible. Notification is almost always possible immediately upon occurrence of an emergency. If you are too sick to telephone or email, you can get a friend to do it. Failure to make such timely notification may result in denial of your request.

**Students with Disabilities:** If you anticipate issues related to the format or requirements of this course, please meet with me. I would like us to discuss ways to ensure your full participation in the course. If you determine that formal, disability-related accommodations are necessary, it is very important that you be registered with Disability Resources (621-3268; drc.arizona.edu) and notify me of your eligibility for reasonable accommodations. We can then plan how best to coordinate your accommodations.

**Academic Dishonesty and Plagiarism:** All UA students are responsible for upholding
the Code of Academic Integrity, available through the office of the Dean of Students and online (deanofstudents.arizona.edu/codeofacademicintegrity).

Expectations: I expect that everyone will maintain a classroom conducive to learning. I like an informal atmosphere, but it must be orderly. Thus, everyone is expected to behave with basic politeness, civility, and respect for others. In particular, talking in class is ok if it’s part of a class discussion or with me. Private communications are not, especially during tests. Neither are reading extraneous materials, using electronic equipment, using the computers for web surfing, or sleeping.

Suggestions: Suggestions for improvement are welcome at any time. Any concern about the course should be brought first to my attention. Further recourse is available through the SIE departmental office in Old Engineering room 111.