Syllabus: Course INFSYS 3816/6808
Managerial Application of Object-Oriented Programming II

About this course:

Required Texts:

Head First Java, 2nd Edition
by Bert Bates; Kathy Sierra
Published by O'Reilly Media, Inc., 2005

Course Description

Prerequisites: INFSYS 3806 and a minimum campus GPA of 2.0. This course builds on skills learned in INFSYS 3806 and focuses on contemporary client-server development environments and tools. Topics include database integration, web applications, and web services. Students will be provided hands-on application development experiences during class and in assignments.

Assessment/Grading

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

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presentation</td>
<td>25%</td>
</tr>
<tr>
<td>2 Assignments</td>
<td>25%</td>
</tr>
<tr>
<td>Midterm Exam</td>
<td>25%</td>
</tr>
<tr>
<td>Final</td>
<td>25%</td>
</tr>
</tbody>
</table>

The due date for each assignment will be indicated on the assignment located under the links section.

Tentative Schedule

<table>
<thead>
<tr>
<th>WEEK</th>
<th>TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Inheritance</td>
</tr>
<tr>
<td>02</td>
<td>Abstract Classes</td>
</tr>
<tr>
<td>03</td>
<td>Interfaces</td>
</tr>
<tr>
<td>04</td>
<td>Implementing Inheritance and Interfaces</td>
</tr>
<tr>
<td>05</td>
<td>Implementing Inheritance and Interfaces</td>
</tr>
<tr>
<td>06</td>
<td>GUI 2 Tier Overview</td>
</tr>
<tr>
<td>07</td>
<td>Exam 1</td>
</tr>
<tr>
<td>08</td>
<td>GUI 2 Tier Overview</td>
</tr>
<tr>
<td>09</td>
<td>SQL and Database Connectivity</td>
</tr>
</tbody>
</table>
Syllabus: Course INFSYS 3816/6808
Managerial Application of Object-Oriented Programming II

<table>
<thead>
<tr>
<th></th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>SQL and Database Connectivity</td>
</tr>
<tr>
<td>11</td>
<td>Advanced topics – Android, MVC &amp; Others</td>
</tr>
<tr>
<td>12</td>
<td>Advanced topics – Android, MVC &amp; Others</td>
</tr>
<tr>
<td>13</td>
<td>Presentations</td>
</tr>
<tr>
<td>14</td>
<td>Presentations</td>
</tr>
<tr>
<td>15</td>
<td>Exam 2 FINAL</td>
</tr>
</tbody>
</table>

**Attendance Policies**
- Students are expected to be present in class.

**Academic Integrity/Plagiarism**
- You are responsible for being attentive to and observant of University policies about academic honesty as stated in the University’s Campus Policies and Code of Student Conduct found in the UMSL Bulletin.
- Academic dishonesty is a serious offense that may lead to probation, suspension, or dismissal from the University. One form of academic dishonesty is plagiarism – the use of an author’s ideas, statements, or approaches without crediting the source. Academic dishonesty also includes such acts as cheating by using any unauthorized sources of information and providing or receiving unauthorized assistance on any form of academic work or engaging in any behavior specifically prohibited by the faculty member (e.g., copying someone else’s answers on tests and quizzes). Unauthorized possession or distribution of academic materials is another type of academic misconduct. It includes the unauthorized use, selling or purchasing of examinations or other academic work, using or stealing another student’s work, unauthorized entry or use of material in a computer file, and using information from or possessing exams that an instructor did not authorize for release to students. Falsification is any untruth, either verbal or written, in one’s academic work. Facilitation is knowingly assisting another to commit an act of academic misconduct. **Plagiarism, cheating, and falsification are not acceptable.**
- All instances of academic dishonesty will be reported to the Office of Academic Affairs who will determine whether you will appear before the Student Conduct Committee for possible administrative sanctions such as dismissal from the university. The instructor will make an academic judgment about the student’s grade on that work in this course. The campus process regarding academic dishonesty is described in the “Policies” section of the Academic Affairs website.
- **Follow the AMA style for your reports.**
- Plagiarism is the use of another person’s words or ideas without crediting that person.
- Plagiarism and cheating will not be tolerated and may lead to failure on an assignment, in the class, and dismissal from the University, per the UMSL academic dishonesty policy.
Syllabus: Course INFSYS 3816/6808
Managerial Application of Object-Oriented Programming II

- Students are responsible for being attentive to and observant of campus policies about academic honesty as stated in the University’s Student Conduct Code.
- To avoid accusations of academic dishonesty, please submit all written work to the Turnitin System before finalizing what you submit for evaluation. Check information about The Writing Center on UMSL’s website.

Title IX Policies
In adherence to the policies of Title IX and to promote a safe and secure educational environment, it is strongly recommended statements similar to those below be added to your course syllabus:

- **Mandatory Reporting:** Under Title IX, all UMSL faculty, staff, and administrators (with limited exception) are obligated to report any incidents of sexual harassment, sexual misconduct, sexual assault, or gender discrimination to the Student Affairs office and/or other University officials. This ensures that all parties are protected from further abuses and that victim(s) are supported by trained counselors and professionals. Note: There are several offices at UMSL (e.g., Counseling Services, Health Services, Community Psychological Service, Center for Trauma Recovery, and Student Social Services) whose staff are exempt from Title IX mandated reporting, when the information is learned in the course of a confidential communication.

- **Content Advisory:** The course requires good logical skills and knowledge of materials from the prerequisite courses. Some of the concepts require abstract thinking and ability of apply college level algebra.

Student Resources

**Access, Disability and Communication**
Your academic success is important. If you have a documented disability that may have an impact upon your work in this class, please contact Disability Access Services (DAS) immediately. Students must provide documentation of their disability to the office of Disability Access Services in order to receive official University services and accommodations. The staff is available to answer questions regarding accommodations or assist you in your pursuit of accommodations. Information about your disability is confidential. Once DAS reviews your medical documentation, they will provide you with the information and steps to inform me about the accommodations to which you are entitled. Your accommodations will begin as soon as we discuss your approved accommodations.

- 144 Millennium Student Center (MSC)
- Phone: (314) 516-6554
- Email: Tara Cramer, cramert@umsl.edu
- **Website:** [http://www.umsl.edu/services/disability/](http://www.umsl.edu/services/disability/)
Syllabus: Course INFSYS 3816/6808
Managerial Application of Object-Oriented Programming II

Office of International Students and Scholar Services
If you have difficulty communicating in English with the instructor of this course, contact ISS.
- 362 Social Sciences & Business Building (SSB)
- Phone: (314) 516-5229
- Email: iss@umsl.edu
- Website: http://www.umsl.edu/~intelstu/contact.html

Student Enrichment and Achievement
SEA provides comprehensive support and intervention strategies that support your road to graduation!
- 107 Lucas Hall
- Phone: (314) 516-5300
- Email: umslsea@umsl.edu
- Website: https://www.umsl.edu/services/sea/

Office of Multicultural Student Services (MSS) and the University Tutoring Center (UTC)
MSS provides comprehensive student retention services to diverse student populations; through their tutoring center, the MSS offers comprehensive tutoring services free to students at UMSL.
- 225 Millennium Student Center (MSC)
- Phone: (314) 516-6807
- Email: multicultural@umsl.edu
- Website: https://www.umsl.edu/~mcraa/index.html

More Student Resources are on the Learning Resource Lab website.

Technical Support

Canvas
If you have problems logging into your online course, or an issue within the course site, please contact the

Technology Support Center:
- Phone: (314) 516-6034
- Email: helpdesk@umsl.edu
- Website: http://www.umsl.edu/technology/tsc/

If you are having difficulty with a technology tool in Canvas, consider visiting the Canvas Student Guides, which has overviews of each tool and tutorials on how to use them.
Syllabus: Course INFSYS 3816/6808
Managerial Application of Object-Oriented Programming II

If you continue to experience problems or just have questions, you can also contact the Learning Resource Lab:

- Phone: (314) 516-6704
- Email: lrl@umsl.edu
- Website: http://www.umsl.edu/technology/lrl/

VoiceThread

- Online Contact Form: https://voicethread.com/support/contact/
- Website: https://voicethread.com/howto/

Academic Support

Math Academic Center (Math Lab)
The Math Academic Center offers free individual assistance on a walk-in basis to students needing help with any mathematics from basic math through calculus or any course involving mathematical skills.

- 222 Social Sciences and Business Building (SSB)
- Website: http://www.umsl.edu/mathcs/math-academic-center/