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| Course | ITM 5400 – Systems Analysis, Design, and Implementation | | | | | | | | | | | | | | |
| Term | Spring II, 2009 | | | | | | | | | | | | | | |
| Instructor | Kevin McMahon kamcmah@comcast.net cell: 259-4883 | | | | | | | | | | | | | | |
| Catalog Description | This course covers the spectrum of activities in information systems life cycle management. The life cycle from the feasibility study through implementation and maintenance is examined. The course includes examination of structured analysis and design, prototyping, procurement and conversion methods. The roles and responsibilities of various personnel involved, as well as the communication and documentation tools and techniques employed are studied. | | | | | | | | | | | | | | |
| Prerequisites | ITM 5000 – Information Technology Management - Overview | | | | | | | | | | | | | | |
| Course Level Learning Outcomes | <p>After completing this course, students will:</p> <ul style="list-style-type: none"> • know and explain the important technical terminology, concepts, principles, techniques, and theories related to the technical aspects of information and communications systems analysis, design, and implementation. • be able to <i>effectively apply important technical</i> concepts, principles, practices, techniques, and theories needed <i>to critically analyze</i> an organization’s information and communication requirements. • be able to <i>effectively apply important technical</i> concepts, principles, practices, techniques, and theories needed <i>to design and recommend appropriate systems solutions</i>. • be able to <i>effectively apply important technical</i> concepts, principles, practices, techniques, and theories needed <i>to manage the implementation of recommended systems solutions</i>. | | | | | | | | | | | | | | |
| Materials | <p>REQUIRED TEXT</p> <p><u>Systems Analysis & Design Methods</u>; 7th Edition; McGraw – Hill/Irwin Publishers, © 2007. Authors: Whitten, Bentley & Dittman</p> | | | | | | | | | | | | | | |
| Grading | <p>DETERMINATION OF GRADE</p> <table> <tr> <td>CASE STUDY PRESENTATION</td> <td>20%</td> </tr> <tr> <td>MID-TERM EXAM</td> <td>40%</td> </tr> <tr> <td>FINAL EXAM</td> <td>40%</td> </tr> </table> <p>GRADING SCALE:</p> <table> <tr> <td>100.0% - 92.5% = A</td> <td>82.4% - 79.5% = B -</td> </tr> <tr> <td>92.4% - 89.5% = A -</td> <td>79.4% - 69.5% = C</td> </tr> <tr> <td>89.4% - 86.5% = B +</td> <td>69.4% - 00.0% = F</td> </tr> <tr> <td>86.4% - 82.5% = B</td> <td></td> </tr> </table> | CASE STUDY PRESENTATION | 20% | MID-TERM EXAM | 40% | FINAL EXAM | 40% | 100.0% - 92.5% = A | 82.4% - 79.5% = B - | 92.4% - 89.5% = A - | 79.4% - 69.5% = C | 89.4% - 86.5% = B + | 69.4% - 00.0% = F | 86.4% - 82.5% = B | |
| CASE STUDY PRESENTATION | 20% | | | | | | | | | | | | | | |
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| 86.4% - 82.5% = B | | | | | | | | | | | | | | | |

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| <p>Activities</p> | <p><i>Due on or before the first day of class:</i></p> <ol style="list-style-type: none"> 1. Submit a sample of your writing either by email attachment prior to class at kamcmah@comcast.net, or by hard copy at the beginning of class. Approximately 1.5 pages long, double spaced on either of the following topics: <ul style="list-style-type: none"> ▪ Write an essay on either your current job or a prior one. Included in the essay should be; what is the nature of the job, why did you accept this job and what are the greatest satisfactions and challenges of this job? ▪ Write an essay about education and common sense in your life. Included in this essay should be; what is the value of education in your life, what is the value of common sense in your life and what is your definition of common sense? 2. READ CHAPTERS 1– 4 |
| <p>Policy Statements: University Policies</p> | <p>University policies are provided in the current course catalog and course schedules. They are also available on the university website. This class is governed by the university’s published policies. The following policies are of particular interest:</p> <p><i>Academic Honesty</i></p> <p>The university is committed to high standards of academic honesty. Students will be held responsible for violations of these standards. Please refer to the university’s academic honesty policies for a definition of academic dishonesty and potential disciplinary actions associated with it.</p> <p><i>Drops and Withdrawals</i></p> <p>Please be aware that, should you choose to drop or withdraw from this course, the date on which you notify the university of your decision will determine the amount of tuition refund you receive. Please refer to the university policies on drops and withdrawals (published elsewhere) to find out what the deadlines are for dropping a course with a full refund and for withdrawing from a course with a partial refund.</p> <p><i>Special Services</i></p> <p>If you have registered as a student with a documented disability and are entitled to classroom or testing accommodations, please inform the instructor at the beginning of the course of the accommodations you will require in this class so that these can be provided.</p> <p><i>Course Attendance</i></p> <p>Students are expected to attend all class sessions of every course. In the case of unavoidable absence, the student must contact the instructor. The student is subject to appropriate academic penalty for incomplete or unacceptable makeup work, or for excessive or unexcused absences. Generally, a student who misses more than one four-hour course period (per course) without a documented military or medical excuse and advanced permission of the instructor should withdraw from the class. The University reserves the right to involuntarily drop enrolled students from classes which they do not attend.</p> |

| <p>Course Policies</p> | <p>This syllabus may be revised at the discretion of the instructor without the prior notification or consent of the student. The schedule below presents an approximate expectation of course progress. The instructor reserves the right to add, delete, or modify any weeks of this schedule. The instructor also reserves the right to change the overall course grade weighting. Any changes will be announced in class.</p> <p>If you miss class you are responsible for getting notes and assignments. <i>No late homework will be accepted and missed quizzes will receive scores of zero unless prior approval to miss class is obtained from the instructor.</i> Makeup exams will be scheduled only if arranged in advance of the scheduled exam date.</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|---|-----------------|--------------|-----------------|----------|--|----------|----------|----------------------------|----------|----------|-----------------------------|----------|----------|--|-----------|----------|---|-------|----------|--|------------|----------|---|------------|----------|--|------------|----------|-----------------------------------|--|
| <p>Weekly Schedule</p> | <table border="1"> <thead> <tr> <th data-bbox="440 600 516 632"><u>WEEK</u></th> <th data-bbox="516 600 1198 632"><u>TOPIC</u></th> <th data-bbox="1198 600 1349 632"><u>READINGS</u></th> </tr> </thead> <tbody> <tr> <td data-bbox="440 632 516 688">03/18/09</td> <td data-bbox="516 632 1198 730">1 Course intro, student profiles, SAD Context, IS Building Blocks & Development, Project Mgmt. CASE STUDY ASSIGNMENTS (See “<i>Student Resource CD</i>”)</td> <td data-bbox="1198 632 1349 663">CH 1 - 4</td> </tr> <tr> <td data-bbox="440 751 516 783">03/25/08</td> <td data-bbox="516 751 1198 783">2 SAD Methods & Techniques</td> <td data-bbox="1198 751 1349 783">CH 5 - 6</td> </tr> <tr> <td data-bbox="440 814 516 846">04/01/09</td> <td data-bbox="516 814 1198 846">3 Use Cases & Data Modeling</td> <td data-bbox="1198 814 1349 846">CH 7 - 8</td> </tr> <tr> <td data-bbox="440 877 516 909">04/08/09</td> <td data-bbox="516 877 1198 909">4 Process Modeling, Feasibility Analysis</td> <td data-bbox="1198 877 1349 909">CH 9 & 11</td> </tr> <tr> <td data-bbox="440 940 516 972">04/15/09</td> <td data-bbox="516 940 1198 1014">5 OO Analysis & Modeling Using UML ISSUE TAKE-HOME MID TERM EXAM (CHAPTERS 1 – 9, 11)</td> <td data-bbox="1198 940 1349 972">CH 10</td> </tr> <tr> <td data-bbox="440 1035 516 1066">04/22/09</td> <td data-bbox="516 1035 1198 1066">6 Systems Design, Application Modeling, Dbase Design</td> <td data-bbox="1198 1035 1349 1066">CH 12 – 14</td> </tr> <tr> <td data-bbox="440 1098 516 1129">04/29/09</td> <td data-bbox="516 1098 1198 1129">7 Input, Output & User Interface Design</td> <td data-bbox="1198 1098 1349 1129">CH 15 - 17</td> </tr> <tr> <td data-bbox="440 1161 516 1192">05/06/09</td> <td data-bbox="516 1161 1198 1234">8 Implementation & Maintenance ISSUE TAKE-HOME FINAL EXAM (CHAPTERS 1 – 17, 19 – 20)</td> <td data-bbox="1198 1161 1349 1192">CH 19 – 20</td> </tr> <tr> <td data-bbox="440 1255 516 1287">05/13/09</td> <td data-bbox="516 1255 1198 1287">9 CASE STUDY PRESENTATIONS</td> <td></td> </tr> </tbody> </table> | <u>WEEK</u> | <u>TOPIC</u> | <u>READINGS</u> | 03/18/09 | 1 Course intro, student profiles, SAD Context, IS Building Blocks & Development, Project Mgmt. CASE STUDY ASSIGNMENTS (See “<i>Student Resource CD</i>”) | CH 1 - 4 | 03/25/08 | 2 SAD Methods & Techniques | CH 5 - 6 | 04/01/09 | 3 Use Cases & Data Modeling | CH 7 - 8 | 04/08/09 | 4 Process Modeling, Feasibility Analysis | CH 9 & 11 | 04/15/09 | 5 OO Analysis & Modeling Using UML ISSUE TAKE-HOME MID TERM EXAM (CHAPTERS 1 – 9, 11) | CH 10 | 04/22/09 | 6 Systems Design, Application Modeling, Dbase Design | CH 12 – 14 | 04/29/09 | 7 Input, Output & User Interface Design | CH 15 - 17 | 05/06/09 | 8 Implementation & Maintenance ISSUE TAKE-HOME FINAL EXAM (CHAPTERS 1 – 17, 19 – 20) | CH 19 – 20 | 05/13/09 | 9 CASE STUDY PRESENTATIONS | |
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| <p>Additional Information</p> | <p>None</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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