

**Arab Academy for Science and Technology and Maritime Transport  
Computer Science Curriculum  
Course Syllabus**

<b>Course Code:</b> CS402	<b>Course Title:</b> Project II	<b>Classification:</b> R	<b>Coordinator's Name:</b> Dr. Mohamed Mostafa <b>Lecturer's name:</b> <Project Supervisor>	<b>Credit Hours:</b> 3
<b>Pre-requisites:</b> CS401	<b>Co-requisites:</b> None	<b>Schedule:</b> Lecture: 3 hours		
<b>Office Hours: (Room 308)</b> Saturday 10:30 a.m. -12:30 p.m.				
<b>Course Description:</b>  In Project 2 students are expected to apply, demonstrate and integrate comprehensive knowledge acquired across various undergraduate courses. The successful completion of graduation project is an indication of the students' preparedness to pursue a professional career. Students are expected to make significant progress based on project 1 and show their ability to implement and evaluate a computer-based solution by using appropriate tools and techniques along with producing the appropriate documentation.				
<b>Textbook:</b>				
<b>References:</b>				
<b>Course Objective/Course Learning Outcome:</b>		<b>Contribution to Program Student Outcomes:</b>		
1. Develop and test a substantial piece of software.		(SO 2) Design, implement and evaluate a computing based solution to meet a given set of computing requirements in the context of program's discipline.  (SO4) Recognize professional responsibilities and make informed judgements in computing practice based on legal and ethical principles.		

	(SO6) Apply computer science theory and software development fundamentals to produce computing-based solution.
2. Work effectively in collaborative teams and demonstrate individual responsibility and accountability, management and organization.	(SO5) Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
3. Demonstrate the ability to explain and reflect upon the purpose, operation, success and value of the developed project in writing and orally;	(SO 3) Communicate effectively in a variety of professional contexts.
4. Write a report explaining methodology, outlining their contributions and the contributions of others, and documenting the developed project from appropriate perspectives, for instance that of a user, researcher or developer.	(SO 3) Communicate effectively in a variety of professional contexts.
<p><b>Course Outline:</b></p> <ol style="list-style-type: none"> <li>1. <b>Week 1:</b> Revise Analysis and design based on feedback from Project 1 defense</li> <li>2. <b>Week 2:</b> Produce detailed technical specifications</li> <li>3. <b>Week 3:</b> Develop the software project</li> <li>4. <b>Week 4:</b> Develop the software project continued</li> <li>5. <b>Week 5:</b> Develop the software project continued</li> <li>6. <b>Week 6:</b> Develop the software project continued</li> <li>7. <b>Week 7:</b> Develop the software project continued</li> <li>8. <b>Week 8:</b> Develop the software project continued</li> <li>9. <b>Week 9:</b> Write test cases for the project</li> <li>10. <b>Week 10:</b> Test the product in controlled and real situations</li> <li>11. <b>Week 11:</b> Test the product in controlled and real situations</li> <li>12. <b>Week 12:</b> Refine and improve the performance of produced software</li> <li>13. <b>Week 13:</b> Prepare project documentation</li> <li>14. <b>Week 14:</b> Prepare project documentation continued</li> <li>15. <b>Week 15:</b> Prepare project documentation continued</li> <li>16. <b>Week 16:</b> Project 2 Defense (Oral presentation)</li> </ol>	
<p><b>Grade Distribution:</b></p> <p>Upon successful completion of the course the student will be evaluated by the supervisor(s) and exam committee according to his/her performance. Supervisors place 60% of the mark and the examiners 40%. The formula is as follows:</p>	

Supervisor 60%(Group evaluation + Individual evaluation) + Average 20%(Examiners' individual evaluations) + Average 20%(Examiners' Group evaluations)

**Policies:**

**Attendance:**

AASTMT Education and Study Regulations (available at [aast.edu](http://aast.edu))

**Academic Honesty:**

AASTMT Education and Study Regulations (available at [aast.edu](http://aast.edu))