Capstone Quick Start for all 491/492 Sections

1- Visit our Capstone Road Map at **http://roadmap.eljabiri.com** **and Access Our Electronic Course Roadmap and Syllabus.** This will enable you to learn about almost every thing in the capstone course and will link you to every thing else necessary such as available projects and online forms. It will explain to you project deliverables, course schedule, course evaluation ,etc. This site is a new prototype of our capstone students' resource center (frequently being updated). Make sure that you visit these four key links on the capstone roadmap ASAP:

For Essential Fall 2005 Project Guidelines: http://www.eljabiri.com/id43.html

For Frequently Asked Questions: http://www.eljabiri.com/id32.html

For Samples and Examples: http://www.eljabiri.com/id24.html

For Generic Project Deliverables **(being updated)**:   http://www.eljabiri.com/id39.html

2- Don't Miss Any Class. Attendance is extremely important and it is a significant part of your project, final exam and evaluation. Please attend on time and don't leave before the class is over. You are responsible for all class notes , instructions and announcements .You are also responsible for signing the attendance sheet every class **for your own section time**. A class secretary will be elected soon and he/she will be responsible for the attendance sheet and participation points. .If you missed last presentation class, you cannot pass this course. Missing even few classes can have significant effect on your final evaluation .Students with full attendance get extra credits by the end of the semester .

3- Check Your NJIT-Based Email Frequently. You will be responsible for any updates or instructions you receive on your NJIT email address. I cannot change your email address from the pipeline database. You can either add your NJIT account to MS Outlook or forward your NJIT emails to your preferred email address using the directory at (http://www.njit.edu/directory).

4- Access Webct Today. You will need your UCID and Password to access . **Introduce yourself by creating a webct homepage precisely as instructed in your attached introduction assignment.** This assignment is due by **Friday Sep 9 th, 2005** by midnight . Webct is our second vital virtual communication system where you can also check your grades . Using webct is mandatory for this class and it is at (http://webct.njit.edu).

5- Join A Team ASAP . Apply for a project manager position by **Friday Sep 9 th, 2005** and select/reserve a project or apply for a team member position no later than **Sunday Sep 18th , 2005** to be a system analyst , market researcher , database designer , user interface designer , system architect or software developer . Find vacancies available and apply for a team that has a project you are interested in and for a position that matches your skills and background. Without a team , you can't continue with this class. If you became a PM , please announce your vacancies online . to get members into your team. Teams can be formed from 4-6 people. In the Fall 2005 semester , teams will be generally consist of 6 people .

6- Contact Me . If you have any questions or concerns , you can always contact me by sending an email to oe2@njit.edu . **Please include your full name and course /section number in your email** . My office hours are usually from 3:30-5:30 PM every Wednesday unless otherwise updated on the capstone website . I try to be available at least 15-30 minutes before classes and up to 1 hour after regular night classes . Use my webct email only when you are instructed to submit something via webct .**Please DON'T send me regular email via webct**. Project managers will get my cell phone number if their teams have urgent needs , concerns or questions .

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Senior Project Capstone Course (all sections CS/IS/IT)
Fall 2005 Schedule

Date	Topic	What to do?	What to submit?	What to Present?
Week 1 9/6/ 05 9/7/05	1-- Course Introduction 2-- Project Database 3- SCRM / FDD process	-Browse ideas -Add ideas -Apply for PM	Professional WEBCT Introduction *(Due Friday Sep 9th Midnight)*	None
Week 2 9/13/ 05 9/14/05	1- Sponsors Presentations 2- Team Composition progresses	- Select a project or team -Apply for a job code in a team	-Apply for a group position - Reserve a project idea (only PM)	None
Week 3 9/20/ 05 9/21/05	1- Finalizing Teams 2- Project Management Discussion	Participate in discussion	None	None
Week 4 9/27/ 05 9/28/05	Requirements Engineering Discussion	Sprint (1) starts Participate in discussion	None	None
Week 5 10/4/ 05 10/5/05	Software Architecture Discussion	Participate in discussion	None	None
Week 6 10/11/ 05 10/12/05	First Sprint Presentation	Submit deliverables / present them With Prototype 1 Sprint (2) starts	Please see project deliverables in the next table	First Presentation (10 M)
Week 7 10/18/ 05 10/19/05	Presentation Skills	Participate in discussion		
Week 8 10//25 05 10/26//05	Second Sprint Presentation	Submit deliverables and present them With Prototype 2 Sprint (3) starts	Please see project deliverables in the next table	Second Presentation (10 M)
Week 9 11//1/ 05 11/ 2/05	Project work in-team , No regular classes	Participate , contribute ,and revise		
Week 10 11/8/ 05 11/ 9/05	Project work in-team , No regular classes	Participate , contribute ,and revise Sprint (4) starts		
Week 11 11/15/ 05 11/ 16 /05	Project work in-team , No regular classes	Participate , contribute ,and revise		None
Week 12 11/ 22/ 05 11/ 23 /05	Project work in-team, No regular classes	Participate , contribute ,and revise Sprint (5) starts		None
Week 13 11/ 29/ 05 11/ 30 /05	Project work in-team, No regular classes	Participate, contribute, and revise		None
Week 14 12 / 6 / 05 12 / 7 /05	Final Presentation	Submit deliverables and present them With Final Software Release	-Full documentation -Software Product *All on one CD*	Final Project Presentation (15 minutes)

Project Deliverables and Timeline through the five sprints

Sprint number	Starting Date	Ending Date	Client Presentation	Class Presentation	FDD Phase	Deliverables	Key Roles
Sprint 1 *(2 weeks)*	Sep 26th	Oct 10th	Required	*- Oct 11th* *- Oct 12th* *Present and deliver Sprint 1 in class* *Progress report required*	-Entry criteria -Overall Model -Feature List -verification -exist criteria	- Requirements analysis document - features list - Class Diagram - Sequence Diagram -Compliance with entry/exit criteria	-Project manager -Chief Architect -Modeling Team - Features list team -Chief Prog. -Domain Expert
Sprint 2 *(2 weeks)*	Oct 10th	Oct 24th	Required	*- Oct 25th* *- Oct 26th* *Present and deliver Sprint 2 in class* *Progress report required*	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	**First features set :** -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
Sprint 3 *(2 weeks)*	Oct 24th	Nov 7th	Required	No class presentation or deliverables required *Progress report required*	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	**Second features set :** -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
Sprint 4 *(2 weeks)*	Nov 7th	Nov 21st	Required	No class presentation or deliverables required *Progress report required*	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	**Third features set :** -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
Sprint 5 *(2 weeks)*	Nov 21st	Dec 5th	Combined with class presentation	*- Dec 6th* *- Dec 7th* *Present and deliver all sprints from 1-5 in class* *Final Progress report required*	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	**Forth and combined features sets :** -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups

Senior Project first assignment:

Introduce Yourself
(Due Friday Sep 9^{th,} 2005)

It is a Professional Introduction On The Webct System
It is a mandatory assignment (graded out of 30 points)
You cannot be part of a project without this introduction

How to introduce yourself for the senior project course?

1- Your introduction should be via by creating your special **HOME PAGE** on the webct system no later than **Friday Sep 9 th, 2005** midnight**. **This home page can be created easily using webct tools and does not require programming skills .However , it is up to you if you wish to enhance your website with web programming features **. However , early introductions will receive extra credits . No introductions will be graded without your photo attached.** This is a communication channel to facilitate proper identification for team formation, class collaboration, and accurate evaluation .Project managers are advised not to accept any team member application who don't have their professional homepage introduction available on the webct system

2- Your introduction should be a fresh short resume - made especially for this class - that introduce you to the class as if you are applying for a new job. This will enable project managers, team members, the class and the instructor to know about all available resources and allocate them properly.

3- The entire professional introduction should completely reside in your webct home page .We should be able to find every thing there. No external links are acceptable unless you are attaching or linking to sample projects you did, favorite links or extra information about your self that is too large to be included in your homepage.

4- **Your introduction must include:**

    Your full name
    Your preferred email address
Your academic background (please categorize it in a meaningful way to fit in the software development life cycle).Also , point out to courses that interested you more or courses that you had excellent or exceptional performance in .
    Your awards / achievements
    Your work experience (if any)
    Your professional memberships
    Your research interests, completed projects , completed research .
    Your Photo .This is also an important component of your introduction
    Your objectives after graduation (jobs , academics , etc)
    What are your ambitions in the senior project course ?
o   Do you have an industry-sponsored project idea ?
o   Do you wish to continue an idea you have already started as a business entrepreneur ?
o   What is the role you hope to play in your project team?
o   What do you expect from this course ?
Can the entire class use you as a global resource in a specific knowledge area , , skill , or the like in addition to your regular class work .Global resource students may qualify for extra credits in the final evaluation (after an in-class voting process)
Optional personal information : Your hobbies , interests , favorite quote , favorite book , favorite movie , favorite song or music , favorite programming language , favorite software , or favorite development environment, etc