

# Capstone Quick Start for all 491/492 Sections

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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 SP06 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: <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, course requirements and final evaluation. Please attend all classes 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 Jan 20<sup>th</sup>, 2006** 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>). You should be added automatically by the end of the first week of Jan or before.

5- Join A Team ASAP. Apply for a project manager position by **Sunday Jan 22<sup>nd</sup>, 2006** and select/reserve a project or apply for a team member position no later than **Thursday Feb 2<sup>nd</sup>, 2006** 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 4-5 people in Spring 2006.

6- Contact Me. If you have any questions or concerns, you can always contact me by sending an email to [oe2@njit.edu](mailto: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 Thursday 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 email. Project managers will get my cell phone number to address their urgent needs, concerns or questions.

Osama Eljabiri  
[www.eljabiri.com](http://www.eljabiri.com)

Lecturer & Director of Senior Project Capstone Courses  
NJIT -College of Computing Sciences

## Senior Project Capstone Courses (all sections CS/IS/IT)

### Spring 2006 Schedule

<i>Date</i>	<i>Topic</i>	<i>What to do?</i>	<i>What to submit?</i>	<i>What to Present?</i>
<b>Week 1</b> 1/17/ 06 1/18/ 06	1-- Course Introduction 2-- Project Database 3- The Software Engineering process	-Browse ideas -Add ideas -Apply for PM	Professional WEBCT Introduction (Due Friday Jan 20 <sup>th</sup> Midnight)	None
<b>Week 2</b> 1/24/ 06 1/25/ 06	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
<b>Week 3</b> 1/31/ 06 2/1/ 06	1- Finalizing Teams 2- Project Management Discussion	Participate in discussion	None	None
<b>Week 4</b> 2/7/ 06 2/8/ 06	Requirements Engineering Discussion	<b>Sprint (1) starts</b> Participate in discussion	None	None
<b>Week 5</b> 2/14/ 06 2/15/ 06	Software Architecture Discussion	Participate in discussion	None	None
<b>Week 6</b> 2/21/ 06 2/22/ 06	<b>First Sprint Presentation</b>	Submit deliverables / present them <b>With Prototype 1</b> <b>Sprint (2) starts</b>	Please see project deliverables in the next table	First Presentation (10 M)
<b>Week 7</b> 2/28/ 06 3/1/ 06	Presentation Skills	Participate in discussion		
<b>Week 8</b> 3/7/06 3/8//06	<b>Second Sprint Presentation</b>	Submit deliverables and present them <b>With Prototype 2</b> <b>Sprint (3) starts</b>	Please see project deliverables in the next table.	Second Presentation (10 M)
<b>Week 9</b> 3/21/06 3/22//06	Project work in-team , No regular classes	Participate , contribute ,and revise		
<b>Week 10</b> 3/28/ 06 3/29//06	Project work in-team , No regular classes	Participate , contribute ,and revise <b>Sprint (4) starts</b>		
<b>Week 11</b> 4/4/ 06 4/ 5/06	Project work in-team , No regular classes	Participate , contribute ,and revise		None
<b>Week 12</b> 4/ 11/ 06 4/ 12 /06	Project work in-team, No regular classes	Participate , contribute ,and revise <b>Sprint (5) starts</b>		None
<b>Week 13</b> 4/ 18/ 06 4/ 19 /06	Project work in-team, No regular classes	Participate, contribute, and revise		None
<b>Week 14</b> 4 / 25 / 06 4 / 26 / 06	<b>Final Presentation</b>	Submit deliverables and present them <b>With Final Software Release</b>	-Full documentation -Software Product <i>All on one CD</i>	Final Project Presentation ( 15 minutes)
<b>4 / 28 / 06</b>	<b>Capstone Showcase</b>		<b>Big Exhibit</b>	Day Long

# Project Deliverables and Timeline through the five sprints

Sprint number	Starting Date	Ending Date	Client Presentation	Class Presentation	FDD Phase	Deliverables	Key Roles
<b>Sprint 1</b> <i>(2 weeks)</i>	Feb 6 <sup>th</sup>	Feb 20 <sup>th</sup>	Required	2/21/ 06 2/22/ 06  <i>Present and deliver Sprint 1 in class</i>  <i>Progress report required</i>	-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
<b>Sprint 2</b> <i>(2 weeks)</i>	Feb 20 <sup>th</sup>	Mar 6 <sup>th</sup>	Required	3/7/06 3/8//06  <i>Present and deliver Sprint 2 in class</i>  <i>Progress report required</i>	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	<b>First features set :</b>  -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
<b>Sprint 3</b> <i>(2 weeks)</i>	Mar 6 <sup>th</sup>	Mar 27 <sup>th</sup>	Required	No class presentation or deliverables required  <i>Progress report required</i>	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	<b>Second features set :</b>  -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
<b>Sprint 4</b> <i>(2 weeks)</i>	Mar 27 <sup>th</sup>	Apr 10 <sup>th</sup>	Required	No class presentation or deliverables required  <i>Progress report required</i>	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	<b>Third features set :</b>  -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups
<b>Sprint 5</b> <i>(2 weeks)</i>	Apr 10 <sup>th</sup>	Apr 24 <sup>th</sup>	Combined with class presentation	4 / 25 / 06 4 / 26 / 06  <i>Present and deliver all sprints from 1-5 in class</i>  <i>Final Progress report required</i>	-Entry criteria -Plan by Feature -Design by Feature -Build by Feature -verification -exist criteria	<b>Forth and combined features sets :</b>  -Plan document -Design document - Features set prototype -Compliance with entry/exit criteria	-Project manager -Chief Architect - Chief Prog. - Features sub-groups

## **First Course Assignment : “Introduce Yourself” Webct Homepage Due Friday Jan 20<sup>th</sup>, 2006 Midnight**

- *This is your professional introduction on the Webct System.*
- *It is a mandatory assignment (graded out of 30 points ).*
- *Get 20 points extra credit by submitting it by Friday Jan 7<sup>th</sup> or before.*
- *Get 10 points extra credit by submitting it by Friday Jan 14<sup>th</sup> or before.*
- *This is the simplest assignment using WEBCT tools. No programming is required.*
- *It is your generic application to all project managers.*
- *It is your resume to instructor and class in “Webct homepage style”.*
- *It is your ticket to the course [You cannot be part of a project without this introduction].*
- *It won't be accepted if it is an external link.*
- *It won't be accepted if it does not include your photo.*
- *There will be a penalty of 3 points deduction of each day delay after the deadline. After Jan 30<sup>th</sup>, it will not be accepted.*

### **How to introduce yourself professionally for this course?**

1- Your introduction should be via creating your special student **HOME PAGE** on the Webct system using Webct tools no later than Friday Jan 20<sup>th</sup>, 2006 midnight. **Early introductions will receive extra credits depending on how early it was submitted. No introductions will be graded without your photo attached.** This is a critical communication channel to facilitate team formation, class collaboration, and ongoing course evaluation.

2- Your introduction should be a **fresh resume - made especially for this class**. It does not have to be long but it has to be comprehensive. It should 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 available resources across the board and allocate them properly.**

3- Your 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 yourself that may be too large to include in your internal homepage.

#### **4- Your introduction must include (this is the evaluation criteria for this assignment):**

- **Your full name.**
- **Your preferred email address.**
- Any additional contact information you choose to disclose.
- **Your college, department, level, major, and minor (if any).**
- **Your academic background (please categorize it in a meaningful way to fit in the project development life cycle). Also, point out to courses that interested you more or courses that you had excellent or exceptional performance in.**
- **A list of your business and/or technical skills with details about the breadth and depth of each skill.**
- 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 regarding your project course?**
  - Have you made your decision about which project you wish to join?
  - Do you wish others to join you or give you some feedback?
  - What is the role you hope to play in your project team?
  - What do you expect from this course?
- Can the entire class use you as a global resource in a specific knowledge area, or skill 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.

Thank you,  
Osama Eljabiri