

## Course Calendar

(subject to minor changes - you will be notified if any are necessary)

Piazza signup link - [piazza.com/gatech/spring2016/cs6440o01](https://piazza.com/gatech/spring2016/cs6440o01)

Week # Weeks	Deadline (Midnight AOE)	Lectures	Deliverables	Additional Details
1 Week 1 to Week 2		Lesson 0: Introduction and Orientation  Lesson 1: US Healthcare System		
2 Week 3 to Week 4	2/2/16	Lesson 2: Federal Policies and Initiatives	<b>Team Formation 1:</b> Formation Finalized and submitted  <b>Quiz 1:</b> Lessons 1, 2	All quizzes will be released on Wednesday the week they are due. You are free to take them when it fits your schedule
3 Week 5 to Week 6	2/2/16	Lesson 3: Health Information Exchange (HIE)	<b>Team Formation 2:</b> Domain Order Preferences (T-Square submission by one team designee)	TA will return team domain designation by end of the following week or sooner.
4 Week 7 to Week 8	2/7/16	Lesson 4: Privacy, Security, and Trust	<b>Quiz 2:</b> Lessons 3, 4	
5 Week 9 to Week 10	<del>2/14/16</del>	Lesson 5A: Data Standards		Team deliverable 1 moved one week later

5 '016 to '2016	2/22/2016	Lesson 5B: Interoperability Standards	<b><u>Team Deliverable 1:</u></b> Project Topic Presentation	Peer feedback for team deliverable 1 moved 1-week later.
7 '016 to '2016	2/28/16 (corrected date to match week)	Lesson 6: Clinical Data Collection and Visualization Challenges	<b><u>Team Members Peer Review:</u></b> Provide feedback on your team member's project contributions <b><u>Team Deliverable 1:</u></b> Project Topic Presentation	
8 '016 to 2016	3/6/16	Lesson 7: Empowering the Patient	<b><u>Quiz 3:</u></b> Lessons 5a, 5b, 6	Team deliverable 2 moved week later.
9 '016 to '2016	3/13/16	Lesson 8: Population Health Management	<b><u>Team Deliverable 2:</u></b> Project Progress Report (Technical Presentation)	
10 '016 to '2016		Lesson 9: Data Query in a Federated Environment	<b><u>Quiz 4:</u></b> Lessons 7, 8  <b><u>Team Members Peer Review:</u></b> Provide feedback on your team member's project contributions	
11 '016 to '2016		Spring Break		
12 '016 to 2016	4/3/16	Lesson 10: Big Data Meets Healthcare	<b><u>Team Deliverable 3:</u></b> Project Progress Report	

			<b><u>Team Members Peer Review:</u></b> Provide feedback on your team member's project contributions	
3 '16 to '2016	4/10/16		<b>Quiz 5:</b> Lessons 9, 10	
4 '16 to '2016				
5 '16 to '2016	4/30/16		<b><u>Team Deliverable 4:</u></b> Final Project Due	
6 '16 to 2016	5/1/2016		<b><u>Peer Review:</u></b> Individual peer review of other team projects due  <b><u>Team Members Peer Review:</u></b> Provide feedback on your team member's project contributions	NO final exam, time to rela
7 '16 to 2016				
2016			Grades Available	

## n Deliverables Schedule:

### Formation 1: Formation Finalized and submitted

Students should have selected a team. Students will self-assign to team through a Google Docs spreadsheet. Teams must consist of up-to five (5) team members.

Students should use Piazza to introduce yourself to classmates and identify skills you think will help contribute to the team project. This will aid in the selection of your team mates. You may also create separate discussion threads to discuss domain ideas, technologies, and the like for gathering ideas and team interest during your team selection.

One team member must submit the names and email addresses of all team members in T-Square by the assignment deadline.

Note: All team communications MUST include the list of all team members and email addresses.

If you are not in a team by the deadline you must reach out to the TAs and will be assigned to a team. Be sure to identify skills and domain preferences to aid with the best placement.

### Formation 2: Team Domain Project Ideas

Each team will research and discuss the various domains. Using this knowledge teams will rank the domains by order of preference. Teams will include a short project idea they would like to pursue for each domain. TAs will then assign each team to a domain based on availability and project ideas.

When your team is assigned to a domain you will work with your Mentor TA for guidance and assistance with any project concerns within your domain area.

One team member must submit the domain ranking and project idea summary through T-Square by the assignment deadline. This submission must also include the list of all team members and email addresses.

#### Deliverable 1: Project Plan Presentation

Teams will have accomplished significant project research and will establish a project plan including; team member key responsibilities, Gantt chart, tools required, external resources required, milestones and expected deliverables.

Project plans will be presented as a 5-minute narrated PowerPoint presentation. The deliverable will also include the Gantt chart of your project plan identifying resource allocations. Also include a separate PDF image of the Gantt chart for readability.

One team member (Team Leader) must submit the Project Plan Presentation through T-Square by the assignment deadline. This submission must also include the list of all team members and email addresses.

#### Deliverable 2: Technical Presentation - Project Progress Report 1

Teams should be well underway toward their deliverables. For this deliverable teams will present screen prototypes and level functionality through a narrated PowerPoint presentation. This presentation should also identify any concerns and anticipated plans to resolve these concerns. This presentation shall be limited to 5-minutes.

One team member must submit the Project Progress Report through T-Square by the assignment deadline. This submission must also include the list of all team members and email addresses.

#### Deliverable 3: Project Progress Report 2

Teams will have a partially functional application while still anticipating the need for polish.

This progress report will be a 5-minute narrated PowerPoint Presentation providing updates and outstanding elements of team's progress.

One team member must submit the Project Progress Report through T-Square by the assignment deadline. This submission must also include the list of all team members and email addresses.

#### Deliverable 4: Final Project

Teams will make a final presentation of their project with a 10-minute narrated PowerPoint Presentation. This presentation will be a showcase for your application! Teams should include a brief narrative of the overall project goals and objectives, the

member contributions, project successes and unique elements, project future plans or opportunities. A screen captured narrated, demonstration of your project is also required to show your solution in action.

Teams must also make the final application available such that it can be utilized by graders. Be sure to make prior arrangements with your Mentor TA to ensure you have a hosted solution or way to make the project available. This will be the team's responsibility to work with the Mentor TA in ensuring your solution is available.

One team member must submit the Final Project through T-Square by the assignment deadline. This submission must include the list of all team members and email addresses.

#### Members Peer Review: Provide feedback on your team member's project contributions

Team members will provide peer feedback of their team members. This peer feedback will NOT count against the grade of the team member being reviewed. However, the peer review will count towards the overall participation of the student conducting the review.

This peer review is an opportunity for team members to identify the strengths and weaknesses of their team members. Reviewers can then work with their Mentor TA in the event that engagement assistance or resource allocation is needed by teammates.

This peer review will not be graded but will count as part of your participation grade.

**Important:** If you have concerns about the lack of engagement or contributions of your team members, be sure to use this opportunity to provide feedback. Also, it will be important to directly reach out to your Mentor TA to ensure the TA can help engage the student and mediate any concerns.

#### Peer Review: Individual peer review of other team projects due

All students will have an opportunity to review projects from each of the other domains. This will be an opportunity to see how teams identified and resolved the domain opportunities they discovered.

This peer review will not be graded but will count as part of your participation grade.

**Project Rubric which will later be defined in more detail:**

**ch** – Did the team thoroughly investigate the problem and interview prospective end users to understand their requirements? Did the team identify industry problems or gaps in current solutions?

**onality** – How well did the final app work and did it fulfill the design proposed by the team? Does it fully meet user needs?

**ty** – Could a user easily understand the app? Was good documentation/help/tutorial provided?

– Was the user interface attractive, friendly and appealing?

**tion** – Did the team develop and implement new ideas that aren't already in common use? Did they bring ideas from other sources into the one they explored?

**eport** – Is the final video interesting, creative and did it clearly explain what the team determined to be the problem, the solution, and how they implemented it?

## : Schedule

Quiz	Lessons Covered	Date Released	Date Due
1	1, 2	1/20/16	1/24/16
2	3, 4	2/3/16	2/7/16
3	5 (A + B), 6	3/2/16	3/6/16
4	7, 8	3/16/16	3/20/16
5	9, 10	4/6/16	4/10/16

All quizzes are 1 hour each, multiple choice, and are open book/notes