CIS 115 - Introduction to Computing Science (Fall 2015)
Schedule (as of 8/18/2015)

Date	Lecture	Topic / Blog Article	Reading (Before Class)	Activity
8/25/15	1	What is Computing Science?		Get a CIS Account
8/27/15	2	Teams, Projects, and Success	Syllabus & Assignments	Team Resume
9/1/15	3	Early Computing Machines	POTS 1 - Nuts and Bolts	Scratch Introduction
9/3/15	4	Bits and Boolean Algebra	POTS 2 - Universal Building Blocks	Loops & Conditionals
9/8/15	**Blog 1**	**Personal Biography**		
9/8/15	5	Programming	POTS 3 - Programming	**1 - Loops & Conditionals**
9/10/15	6	Universal Computers	POTS 4 - How Universal are Turing Machines	Variables - Turing Machine
9/14/15	**Blog 2**	**Historical Figure in Computing**		
9/15/15	7	Algorithms	POTS 5 - Algorithms & Heuristics	**2 - Lists - Sorting**
9/17/15	8	Encoding Data	POTS 6 - Memory: Information and Secret Codes	Binary Numbers
9/21/15	**Blog 3**	**Algorithms**		
9/22/15	9	Embedded Systems, Architecture, & FSMs	POTS 7 - Speed: Parallel Computers	**3 - Finite State Machine**
9/24/15	10	Human Computer Interaction	POTS 8 - Computers that Learn and Adapt	TBD
9/28/15	**Blog 4**	**Computer Systems in Daily Life**		
9/29/15	11	History of the Internet	POTS 9 - Beyond Engineering	TBD
10/1/15	12	Software Engineering	TUBES 1 - The Map	Software Diagrams
10/2/15	**TOPIC**	**Topic Research Project / Presentation Due**		
10/5/15	**Blog 5**	**Making Meaning - POTS**		
10/6/15	13	High Performance Computing	TUBES 2 - A Network of Networks	**4 - Parallel Programming**
10/8/15	14	*Topic Research Presentations*	<none>	<none>
10/12/15	**Blog 6**	**TBD**		
10/13/15	15	*Topic Research Presentations*	<none>	<none>
10/15/15	16	*Topic Research Presentations*	<none>	<none>
10/19/15	**Blog 7**	**Topic Research Response**		
10/20/15	17	How the Internet Works	TUBES 3 - Only Connect	Packet Switched Network
10/22/15	18	Programming for the Web	TUBES 4 - The Whole Internet	**5 - Web Programming**
10/23/15	**WIKI**	**Wiki Article Draft Due**		
10/26/15	**Blog 8**	**TBD**		
10/27/15	19	TBD	TUBES 5 - Cities of Light	TBD
10/29/15	20	Cryptography	TBD	**6 - Cryptography**
11/2/15	**Blog 9**	**TBD**		
11/3/15	21	Informatics & Big Data	TUBES 6 - The Longest Tubes	Map Reduce
11/5/15	22	Artificial Intelligence	TBD	**7 - Mars Rover**
11/6/15	**WIKI**	**Wiki Article Final Version Due**		
11/9/15	**Blog 10**	**TBD**		
11/10/15	23	Computer Graphics	TUBES 7 - Where Data Sleeps	Drawing in Scratch
11/12/15	24	Video Game Design	TBD	**Final Project Assigned**
11/16/15	**Blog 11**	**Making Meaning - Tubes**		
11/17/15	25	Robotics	TBD	Lego Robots
11/19/15	26	*Industry Speaker Panel*	Speaker Bios & Prep Sheet	<none>
11/24/15		*Student Holiday - No Class*		
11/26/15		*Student Holiday - No Class*		
11/30/15	**Blog 12**	**Industry Speaker Response**		
12/1/15	27	Cybersecurity	TBD	<work time>
12/3/15	28	Cybersecurity	TBD	<work time>
12/4/15	**VIDEO**	**Video Project Due**		
12/7/15	**Blog 13**	**TBD**		
12/8/15	29	*Video Project Presentations*	<none>	**Final Project Due**
12/10/15	30	The Future	<none>	<none>
12/14/15	**Blog 14**	**Where Do I Go from Here?**		