



## I400/H590 Human-Robot Interaction Design Calendar (Spring 2014)<sup>†</sup>

Week	Date	Reading & Assignments	Due
1	1/13/14	Course Introduction, Syllabus, Calendar -Niemueller & Widyadharna , Artificial Intelligence – An Introduction to Robotics, -Goodrich & Schultz , Introduction to Human-Robot Interaction	
	1/20/14	<b>NO CLASS (Martin Luther King JR Holiday)</b>	
2	1/27/14	-Yanco, “Classifying HRI: An Updated Taxonomy” -Yanco, et al., “Beyond Usability Evaluation: Analysis of Human-Robot Interaction at Major Robotics Competitions” Optional: Fong et al., “A survey of socially interactive robots”	Quiz 01 Discussion 01 Lab 01
3	2/3/14	-Steinfeld, “Common Metrics for HRI” -Olsen, D.R. et al., “Metrics for Evaluating Human-Robot Interactions” -Young, “Evaluating HRI” -Scholtz, “Theory and evaluation of human robot interactions”	Quiz 02 Discussion 02 Lab 02
4	2/10/14	-Goodrich, “Experiments in Adjustable Autonomy” -Crandall, J.W., et al., “Identifying Predictive Measures for Supervisory Control of Multiple Robots” -Atherton, J.A. et al., “Perception by Proxy”	Quiz 03 Discussion 03 Lab 03
5	2/17/14	-Lee, “Design Guidelines for map-based human-robot interfaces” -Keyes, B. et al., “Improving Human-Robot Interaction through Interface Evolution” -Steinfeld, “Interface Lessons for Fully and Semi-Autonomous Mobile Robots”	Quiz 04 Discussion 04 Lab 04
6	2/24/14	-Adams, “Critical Considerations for Human-Robot Interface Development” -Johnson et al., “Enhancing a Human-Robot Interface using Sensory EgoSphere” -Johnson et al., “Evaluation of an Enhanced Human-Robot Interface”	Quiz 05 Discussion 05 Lab 05
7	3/3/14	-Groom et al., “Can Robots be teammates?” -Pina, P. et al., “Identifying Generalizable Metric Classes” -McLurkin, J., et al., “Speaking Swarmish”	Quiz 06 Discussion 06 Lab 06
<b>FIRST Crossroads Regional (3/5-3/8/14), Rose-Hulman Institute of Technology, Terre Haute, IN</b>			
8	3/10/14	-Nourbakhsh et al., “The Personal Exploration Rover” -Nourbakhsh et al., “The design of a highly reliable robot ” -Casper, J., “Human-Robot Interactions during the Robot” -Murphy, “Human-Robot Interaction in Rescue Robotics”	Quiz 07 Discussion 07 Lab 07
<b>Spring Break (3/17/14 – 3/23/14)</b>			
<b>FIRST Boilermaker Regional (3/20 – 3/22/14), Purdue University, West Lafayette, IN</b>			
9	3/24/14	Final Project Overview	Quiz 08 Discussion 08
<b>National Society of Black Engineers (NSBE) Convention (3/26 – 3/30/14), Nashville, TN</b>			
10	3/31/14	Final Project Work Day	
11	4/7/14	Final Project Work Day	



<http://static.ddmcdn.com/gif/robot-takeover-130412-robot-fist-bump-660x433.jpg>

12	4/14/14	Mid-Project Presentation/Demonstration	Peer Evaluations (CATME)
13	4/21/14	Final Project Work Day	
<b>FIRST Championship (4/23 – 4/26/14), St. Louis, MO</b>			
14	4/28/14	Final Project Work Day	
15	5/5/14	Final Project Presentation/Competition (last class)	
16	5/12/14	Final Report and Code (Finals Week)	Peer Evaluations (CATME)

†This is a new course so the syllabus, calendar and readings may change as deemed necessary by the instructor. Please be flexible and patience about these changes as we explore this topic together.