<table>
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<tr>
<th>Week of</th>
<th>Tentative Schedule</th>
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| 1/20    | Introduction to the Course / Syllabus  
Future of Robotics Supplemental Videos  
Chapter 1 Safety Lecture (39 slides) |
| 1/27    | Chapter 2 Introduction to Robotics Lecture (16 slides)  
History of Robotics Video |
| 2/3     | Chapter 3 Components of the Robot Lecture (27 slides)  
*How to Create Your First MELFA-Basic V Program (Using RT Toolbox) Tutorial*  
*How to Teach Positions Tutorial*  
Lab 1 |
| 2/10    | Lab 2  
Lab 3 |
| 2/17    | Chapter 4 Classification of Robots Lecture (37 slides)  
Lab 4 |
| 2/24    | Open Lab  
Multi-Dimensional Integration (MDI) Recruitment Visit / Speed Interviews (Thursday 2/27) – bring three copies of your resume / business casual |
| 3/2     | Tues: Manipulative Exam 1 (Group A)  
Thurs: Manipulative Exam 1 (Group B) |
| 3/9     | Tues: Written Exam 1 (Chapters 1-4 & MELFA Basic Programming)  
Chapter 5 EOAT Lecture (58 slides)  
EOAT Video  
Lab 5 Take Home Lab |
| 3/16    | Spring Break – No Class! |
| 3/23    | No Class! – FACE to FACE Instruction Suspended due to COVID-19 University Directive |
| 3/30    | Chapter 11 Maintenance & Troubleshooting Lecture (52 slides)  
Financial Justification Supplemental Lecture (15 slides)  
Lab 10 Take Home Lab |
| 4/6     | Chapter 7 Automation Sensors Lecture (28 slides)  
Assigned Reading: Chapter 8 Vision  
Assigned Viewing: Microscan Videos (Parts 1-3)  
Assigned Viewing: Cognex In-Sight Intro Video |
| 4/13    | Assigned Viewing: Cognex In-Sight (Measurement, Counting, Decoding & Location) Lab Video Demonstrations  
Enacting Active Compliant Visual Robotic Control Lecture (14 slides) |
| 4/20    | Zoom Meeting (Review of EOAT Lab) – Tues 4/21, 1:10-3:15pm  
Active Real-time Object Tracking… Lecture (30 slides)  
Assigned Viewing: Vision Tracking Video Demonstration  
Article Review/White Paper Research |
| 4/27    | Zoom Meeting (Review of Cost Just Lab) – Tues 4/28, 1:10-3:15pm  
Programming the NAO Robotic Humanoid with Object-Oriented Programming Methodology (2013 ATMAE Presentation)  
Programming Demo – NAO Robot  
Assigned Readings – Extreme Environments articles/white papers on D2L  
Online Open Box Essay Exam II Assigned (5 questions, 300 minutes max)  
**Article Reviews are Due 4/30** |
| **Finals Week** | Tuesday May 5th 12:30-2:30pm Take Home Exam II Due (Chapters 5, 7, 8, 11, CJ Lecture, & Machine Vision assigned info) Note: The final question is cumulative in nature and may require knowledge from the entire course. |