

Data Conversion and Lab (17.368)

Spring 2013

Lecture Outline

Class # 05

October 03, 2013

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Today's Lecture Outline

- Administrative
- Detailed Technical Discussions
 - None
- Lab
 - Finish Lab #2
 - Start Lab #3
- Homework

Course Admin

Syllabus Review

| <i>Week</i> | <i>Date</i> | <i>Topics</i> | <i>Lab</i> | <i>Lab Report Due</i> |
|--------------|---------------------|--|--------------|-----------------------|
| 1 | 09/05/13 | Introduction/Basic Data Conversion, Course Overview, Op Amps in Data Conversion | | |
| 2 | 09/12/13 | Op Amp Lab | 1 | |
| 3 | 09/19/13 | Sample and Hold Lecture and Lab | 2 | |
| 4 | 09/26/13 | A/D Conversion Fundamentals and Lab | 3 | 1 |
| 5 | 10/03/13 | A/D Conversion Lab Continuation | 3 con't | |
| 6 | 10/10/13 | Examination 1 | | |
| 7 | 10/17/13 | D/A Conversion Fundamentals and Lab | 4 | 2 |
| 8 | 10/24/13 | D/A Conversion Lab Continuation | | |
| 9 | 10/31/13 | Microcontroller and Sensors | 4 con't | 3 |
| 10 | 11/07/13 | Microcontroller and Sensor Lab | 5 | |
| 11 | 11/14/13 | V/F and F/V Conversion Lecture | 5 con't | 4 |
| 12 | 11/21/13 | Examination 2 | Project | 5 |
| X | 11/28/13 | No Class – Thanksgiving | | |
| 13 | 12/05/13 | Work on Course Project | Project | |
| 14 | 12/12/13 | Final Exam/Course Project Brief and Demonstration | Demo | |
| | | | | |

Exam Next Week

- Exam ... next week from 6:30 – 9:20 PM in BL-407
 - No notes other than what I will include with the exam

Next Class

Next Class Topics

- Exam #1

Homework

Homework

1. Lab Reports – Lab report #2 is due 10/17/13 (enough time so you can review your graded Lab report #1 and make any changes for Lab #2)
2. Work on Lab reports