# Course Outline

## Week of August 29

- **Session 1 (Monday)**
  - No class

- **Lecture 1 (Tuesday)**
  - Title: Introduction & Overview
  - Reading: None

- **Session 2 (Wednesday)**
  - Homework: None
  - Practice: Coordinate systems

- **Lecture 2 (Thursday)**
  - Title: The Electric force
  - Reading: HRK: Ch. 25.1,2,4,5,6

## Week of September 5

- **Session 1 (Monday)**
  - Homework: HW 1: Ch. 25 P2, P7, P9
  - Practice: Ch 25 P3, P4, P8

- **Lecture 3 (Tuesday)**
  - Title: The Electric field
  - Reading: HRK: 26.1,2,3,4,5,6,7

- **Session 2 (Wednesday)**
  - Homework: HW 2: Ch26 E9, E11, P6
  - Practice: Ch 26 E12, E16, E18

- **Lecture 4 (Thursday)**
  - Title: Gauss’ law
  - Reading: HRK: 27.1,2,3,4

## Week of September 12

- **Session 1 (Monday)**
  - Homework: HW 3: Ch 26 P4, P10, P12
  - Practice: Ch 26 P7, P11, P14

- **Lecture 5 (Tuesday)**
  - Title: Applications of Gauss’ law
  - Reading: HRK: 27.5

- **Session 2 (Wednesday)**
  - Homework: HW 4: Ch 27 P1, P3, P17
  - Practice: Ch 27 E8, E11, P8, P16

- **Lecture 6 (Thursday)**
  - Title: Electric energy & potential
  - Reading: HRK: 28.1,2,3,4,5,6,7,8
### Week of September 19

- **Session 1 (Monday)**
  - Homework: HW 5: Ch. 28 P8, P10, P13
  - Practice: Ch. 28 E36, P11, P12

- **Lecture 7 (Tuesday)**
  - Title: Electromagnetism in media
  - Reading: HRK: 27.6,7;28.9;29.1,2,3,4,5,6

- **Session 2 (Wednesday)**
  - Homework: HW 6: Ch 27 P4, P5; Ch. 28 E42
  - Practice: Ch. 27 E28; Ch. 28 E46; Ch. 29 E30

- **Lecture 8 (Thursday)**
  - Title: Problem solving review session
  - Reading: none

### Week of September 26

- **Session 1 (Monday)**
  - Homework: No homework
  - Practice: Review for midterm

- **HORRIFIC MIDTERM #1 (Tuesday)**
  - Covers HRK: Ch. 25-29

- **Session 2 (Wednesday)**
  - Midterm review

- **Lecture 9 (Thursday)**
  - Title: The magnetic force
  - Reading: HRK: Ch. 32

### Week of October 3

- **Session 1 (Monday)**
  - Homework: HW 7: Ch. 32 E2, E25, P10
  - Practice: Ch. 32 Q12, E12, P4

- **Lecture 10 (Tuesday)**
  - Title: The magnetic field
  - Reading: HRK: Ch. 33.1,2,3,4

- **Session 2 (Wednesday)**
  - Homework: HW 8: Ch 32 P5, P18; Ch. 33 P2
  - Practice: Ch. 32 E27; Ch. 33 E35, P1

- **Lecture 11 (Thursday)**
  - Title: Ampere's law
  - Reading: HRK: 33.5
<table>
<thead>
<tr>
<th>Week of October 10</th>
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<tbody>
<tr>
<td><strong>Session 1 (Monday)</strong></td>
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<tr>
<td>Homework: HW 9: Ch. 32 P6; Ch. 33 E33, P14</td>
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<td>Practice: Ch. 33 E20, E36, P8</td>
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<td><strong>Lecture 12 (Tuesday)</strong></td>
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<td>Title: Magnetostatic examples</td>
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<td>Reading: None</td>
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<td><strong>Session 2 (Wednesday)</strong></td>
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<td>Homework: HW 10: Ch. 32 E28, E32</td>
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<td>Practice: Ch. 33 P9, P10, P11</td>
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<td><strong>Lecture 13 (Thursday)</strong></td>
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<td>Title: Beyond statics</td>
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<td>Reading: HRK: Ch. 33.6</td>
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**Fall break from October 15 to 19**

Change of guard: Prof. Lyzenga takes over