Instructor: Dr. Aimée Koeplin  
Office: UNIV 3614  
Office Hours: MW 2 – 3; Th 11 - 3  
And by appointment  
Office Phone: 310/338-1775  

Classroom: STR 356  
Times: MWF 1:00 – 1:50  
Email: akoeplin@lmu.edu  
No Class: 8/31, 10/19, 11/9  
and University Holidays

Course Description
The goal of this course is to learn to manipulate a formal system of logic. We will look at both the propositional calculus and the predicate calculus. We will learn the syntax and semantics of formal logic and the relation between them.

Required Texts
Jennings and Friedrich, *Proof and Consequences*

Some Warnings
This is a skills based course. Attendance is mandatory and important for learning how to work in a formal system. You are required to come to class on time prepared to engage with course material.

Course Assignments and Grading:
Your grade for this course will be determined based on points earned out of the total possible points.

<table>
<thead>
<tr>
<th>Assignment</th>
<th>Points</th>
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</thead>
<tbody>
<tr>
<td>Weekly Homeworks</td>
<td>100 pts. (10 pts. each)</td>
</tr>
<tr>
<td>Exam #1</td>
<td>100 pts.</td>
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<tr>
<td>Exam #2</td>
<td>100 pts.</td>
</tr>
<tr>
<td>Final Exam</td>
<td>100 pts.</td>
</tr>
<tr>
<td>Total</td>
<td>400 points</td>
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</table>

- Weekly homeworks are due each week – typically on Friday. (Two of the homeworks are due on Wed., check the schedule below.)
- **Homeworks** must be submitted during or before the class period in which they are due. No exceptions will be made. (Seriously, don’t ask to turn in late homework. The structure of the course doesn’t allow for it.)
- Twelve homework assignments will be assigned throughout the course, you are responsible for completing ten of them (on time). Although you are advised to complete all homework assignments and practice as much as necessary.
You must take all **exams** during the official exam period. Exceptions can be made in case of emergency. No exceptions, however, will be made for the final exam. Be sure that your winter travel plans allow you to take the final exam.

I do not assign “extra credit”. Your grade for the course is based on how well you do on the material assigned for the course.

**Schedule of Weekly Assignments and Exams**

<table>
<thead>
<tr>
<th>Week</th>
<th>Due Date</th>
<th>Problem Set</th>
<th>Assignment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Friday, 9/7</td>
<td>Problem Set #1</td>
<td>2.2 (b), (c), (e)</td>
</tr>
<tr>
<td>3</td>
<td>Friday, 9/14</td>
<td>Problem Set #2</td>
<td>2.3 (c), (f), (h)</td>
</tr>
<tr>
<td>4</td>
<td>Friday, 9/21</td>
<td>PS #3</td>
<td>2.4 (e); 2.5 (a), (c)</td>
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<tr>
<td>5</td>
<td>Friday, 9/28</td>
<td>PS #4</td>
<td>2.6 (d), (e), (f)</td>
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<td>6</td>
<td>Friday, 10/5</td>
<td><strong>Exam #1</strong></td>
<td></td>
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<tr>
<td>7</td>
<td>Friday, 10/12</td>
<td>PS #5</td>
<td>3.1 (c), (e); 3.2 (a), (b), (c), (d)</td>
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<tr>
<td>8</td>
<td>Wednesday, 10/17</td>
<td>PS #6</td>
<td>3.5 (a), (b), (c)</td>
</tr>
<tr>
<td>9</td>
<td>Friday, 10/26</td>
<td>PS #7</td>
<td>3.5 (f), (g), (i); 3.7 (b)</td>
</tr>
<tr>
<td>10</td>
<td>Friday, 11/2</td>
<td>PS #8</td>
<td>3.8 (e), (h); 3.13 (b), (d), (e)</td>
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<tr>
<td>11</td>
<td>Friday, 11/9</td>
<td><strong>Exam #2</strong></td>
<td></td>
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<tr>
<td>12</td>
<td>Friday, 11/16</td>
<td>PS #9</td>
<td>4.1 (a) – (z) alternating</td>
</tr>
<tr>
<td>13</td>
<td>Wednesday, 11/21</td>
<td>PS #10</td>
<td>4.2 (d); 4.3 (b), (c), (e)</td>
</tr>
<tr>
<td>14</td>
<td>Friday, 11/30</td>
<td>PS #11</td>
<td>4.5 (b); 4.6 (b), (c), (d)</td>
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<tr>
<td>15</td>
<td>Friday, 12/7</td>
<td>PS #12</td>
<td>4.9 (c), (e); 4.10 (a), (c)</td>
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**Final Exam**: Thursday, December 13, 2:00 – 4:00