

# Math 1012 Precalculus I Functions Course Structure

## Before Class, you must:

1. Finish homework from previous class (only a small amount of time spent on this, just wrapping up a few loose ends or rewriting solutions to be more complete).
2. Complete “Before” section of Anticipation Guide.
3. Read Section in Text.
4. Read Lecture Notes and view other resources I have provided on moodle.
5. Complete “After” and “Reasoning” sections of Anticipation Guide.
6. Graded Activities:
  - a. **Start WeBWork** based assignment on readings (6-8 problems that check understanding of underlying concepts and ability to apply them).
  - b. **Start Graded Homework** problems.

In the upcoming class you will have time to work on WeBWork problems and the homework and ask me questions on these assignments. We have a large class, so it is important you have questions ready to ask before you come to class. **If all your questions are not answered in class stop by office hours (no appointment necessary).**

7. Optional Activity: Post a question in moodle forum or respond to another student’s question. Posts should have subject line that shows section of text, then explain what technique the question is coming from, and what the question is in some detail:
  - a. What is the technique you have a question on?
  - b. What question do you have?

## During Class, Activities are:

1. Before class begins, you will turn in graded homework from previous class (no chance to work on it in class) and collect your graded homework from the previous class.
2. Class begins with a short lecture on the day’s topic (not comprehensive, I will build in answers to questions on the readings you have brought to my attention) (15 minute).
3. Workshop on the day’s topic (problems to be worked on are graded homework, WeBWork (print out the questions or bring a laptop), other ungraded problems, as well as question that have come up during your readings) (45 minutes).
4. End with short Introduction to motivate the study of the upcoming topic: “What can’t we do now, and how does the new topic extend our abilities.” (5 minutes)

## Peer Assisted Learning Study Sessions:

Joe Melby is assigned to our class as a Peer Assisted Learning Coordinator, and he will talk with us about what that means early in the semester.

<b>Weekend/Mon</b>	<b>Tues/Wed</b>	<b>Thu/Friday</b>
<p><b>Before Class on Monday</b> Finish homework from Fri's topic, as it will be due at start of Mon's class (no time to work on it in class).</p> <p>Prepare for Mon's class:</p> <ul style="list-style-type: none"> <li>• Begin Anticipation Guide.</li> <li>• Read text.</li> <li>• Read lecture notes, view other resources on moodle.</li> <li>• Complete Anticipation Guide.</li> <li>• Start WeBWork.</li> <li>• Start Graded Homework.</li> <li>• Post questions in moodle forum.</li> </ul>	<p><b>Before Class on Wednesday</b> Finish homework from Mon's topic, as it will be due at start of Wed's class (no time to work on it in class).</p> <p>Prepare for Wed's class:</p> <ul style="list-style-type: none"> <li>• Begin Anticipation Guide.</li> <li>• Read text.</li> <li>• Read lecture notes, view other resources on moodle.</li> <li>• Complete Anticipation Guide.</li> <li>• Start WeBWork.</li> <li>• Start Graded Homework.</li> <li>• Post questions in moodle forum.</li> </ul>	<p><b>Before Class on Friday</b> Finish homework from Wed's topic, as it will be due at start of Fri's class (no time to work on it in class).</p> <p>Prepare for Fri's class:</p> <ul style="list-style-type: none"> <li>• Begin Anticipation Guide.</li> <li>• Read text.</li> <li>• Read lecture notes, view other resources on moodle.</li> <li>• Complete Anticipation Guide.</li> <li>• Start WeBWork.</li> <li>• Start Graded Homework.</li> <li>• Post questions in moodle forum.</li> </ul>
<p><b>During Class on Monday</b></p> <p>At start of class homework from Fri's topic is turned in, and you can pick up your graded homework that was submitted Fri.</p> <p>Brief Lecture on Mon's topic.</p> <p>Workshop on Mon's topic, chance to ask questions on homework and readings that have come up.</p> <p>End with short introduction to Wed's topic</p>	<p><b>During Class on Wednesday</b></p> <p>At start of class homework from Mon's topic is turned in, and you can pick up your graded homework that was submitted Mon.</p> <p>Brief Lecture on Wed's topic.</p> <p>Workshop on Wed's topic, chance to ask questions on homework and readings that have come up.</p> <p>End with short introduction to Fri's topic</p>	<p><b>During Class on Friday</b></p> <p>At start of class homework from Wed's topic is turned in, and you can pick up your graded homework that was submitted Wed.</p> <p>Brief Lecture on Fri's topic.</p> <p>Workshop on Fri's topic, chance to ask questions on homework and readings that have come up.</p> <p>End with short introduction to Mon's topic</p>

- Some topics we will spend two days on, and adjust the above schedule accordingly. There will typically still be homework due Mon, Wed, and Fri even if we spend two days on a topic.
- WebWork due dates are available for each assignment in WeBWork. Typically, WeBWork will be due the day after the topic is covered in class, so for a topic that is covered in Monday's class the associated WeBWork will be due Tuesday evening.