Boiler Gold Rush

HOW TO SUCCEED IN MATH
How to Succeed in Math

Course Coordinators:
• MA 15910, Introduction to Calculus (AG only)....Charlotte Bailey
• MA 15800, Precalculus........................................... David Norris
• MA 15300, Algebra and Trigonometry I.......... Patrick Devlin
Normal Math Flow

MA 15300 → MA 15800 → MA 16010 → MA 16020
MA 15800 → MA 16100 → MA 16200
MA 15910 → Done
MA 15300 → Done
Purdue Mathematics Department

- Student
- Course Coordinator
- Teaching Assistant
- Associate Department Head
- Department Head
General Tips/Hints for Success

- Attend class
- Prepare for each class
- Keep & take good notes
- Study material (not just before exam)
- Avoid bad habits (no “JIT”)
- Manage & balance time well
- Network
- Attend office hours
- Pay attention (50 min)
I. Studying Mathematics for UNDERSTANDING

✓ Read text before class (2-3 pages)
✓ Keep up with the lecturer (Math is cumulative)
✓ Take good notes (it is NOT all in the book) and keep a notebook or folder
✓ Keep and review all returned HW/quizzes/exams; review your mistakes:
   \[ e^{(a+b)} \neq e^a + e^b \]
✓ Use available resources (not just before exam)
✓ Create or use Study Guides
✓ Organize and synthesize material
II. Studying Mathematics for EXAMS

✓ Create or use Study Guides
✓ Work many problems
✓ Form study group (3-5 people)
✓ Prepare well in advance
✓ Exam # 2 will contain topics from Exam # 1
✓ Most exams are multiple choice
✓ Use available resources
✓ Follow instructions!
III. Online Homework Tips

- Do problems without cheating
- Note the hard problems
- Issues with online system
  (Web Page Help → TA → Coordinator)
- Do HW well before the deadline
- Periodically look at scores
MATH RESOURCES

MATH Help Room  (MATH 205/211)
Math Exam Archives
Tutor List
Course Web Page
Blackboard
LON-CAPA
FREE TUTORING

WIEP-WISP Free Tutoring (Earhart Hall)

COSINE Tutoring Program

Supplemental Instruction (SI)
Supplemental Instruction (SI)

- Increase retention in targeted historically difficult courses
- Improve student grades in these historically difficult courses
- Increase graduation rates

(MA 15300 and 15800)
Use Common Sense

- Manage time (don’t procrastinate)
- Listen to your peers and/or upperclassmen
- Don’t listen to your peers and/or upperclassmen
- Know the rules
- Avoid academic dishonesty
- Never be afraid to seek help
- Always be prepared
## 2015-2016 Semester Cost

<table>
<thead>
<tr>
<th></th>
<th>Resident</th>
<th>Non Resident</th>
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</thead>
<tbody>
<tr>
<td><strong>Tuition and Fees</strong></td>
<td>$5,000</td>
<td>$14,400</td>
</tr>
<tr>
<td><strong>Per 3 Hour Course</strong></td>
<td>$1000</td>
<td>$2,880</td>
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<tr>
<td><strong>Per Class Meeting</strong></td>
<td>$23</td>
<td>$65</td>
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<tr>
<td><em>(44 classes/semester)</em></td>
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*Based on 15 credit hour load

Do not Skip Class!