iPrep

GEN CHEM

WHO
Anyone taking CHEM 1000 or CHEM 2031.
Anyone taking the General Chemistry Assessment Test (GCAT)
Anyone wanting to learn or practice how to use a scientific calculator

WHAT
PART 1:
- Significant Figures
- SI Units
- Dimensional Analysis
- Chemical Formulas
- Atomic Number vs Mass
- Study Tips

PART 2:
- Naming Chemical Compounds
- Molar Mass
- Avogadro’s Number
- Interconverting between Grams, Moles, Molecules & Atoms
- Percent Mass
- Balancing Chemical Equations
- Stoichiometry
- Limiting Reagent

WHEN
PART 1:
- 8/11 -- 11:30am - 3pm
- 8/20 -- 9:30am - 1pm
- 8/21 -- 9:30am - 1pm

PART 2:
- 8/11 -- 4pm - 8pm
- 8/20 -- 2pm - 6pm
- 8/21 -- 2pm - 6pm
# iPrep MATH

## WHO

- Anyone taking a 1000 or 2000 level mathematics or statistics course.
- Anyone wanting to learn or practice how to use a scientific calculator.

## WHAT

<table>
<thead>
<tr>
<th>PART 1: Basic Algebraic Skills</th>
<th>PART 2: Solving and Graphing</th>
</tr>
</thead>
<tbody>
<tr>
<td>(fractions, decimals, percents, scientific notation)</td>
<td>Basic Equations</td>
</tr>
<tr>
<td>Rules of Exponents</td>
<td>Linear Equations (slope, different equations of lines, perpendicular, parallel)</td>
</tr>
<tr>
<td>Reducing Radicals</td>
<td></td>
</tr>
<tr>
<td>Common Denominators, Expanding Binomials</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART 3: Factoring and Quadratic Equations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(solving, quadratic formula)</td>
<td></td>
</tr>
</tbody>
</table>

## WHEN

<table>
<thead>
<tr>
<th>PART 1: 8/15 - 9am-12pm</th>
<th>PART 2: 8/15 - 1pm-4pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/19 - 10am-1pm</td>
<td>8/26 - 5pm-8pm</td>
</tr>
<tr>
<td>8/25 - 5pm-8pm</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PART 2: 8/19 - 2pm-5pm</th>
<th>PART 3: 8/16 - 9pm-12pm</th>
</tr>
</thead>
<tbody>
<tr>
<td>8/19 - 6pm-9pm</td>
<td>8/27 - 5pm-8pm</td>
</tr>
<tr>
<td>8/27 - 5pm-8pm</td>
<td></td>
</tr>
</tbody>
</table>
**iPrep**

**PBHL 3001**

<table>
<thead>
<tr>
<th>WHO</th>
<th>WHAT</th>
<th>WHEN</th>
</tr>
</thead>
</table>
| Anyone taking PBHL 3001  
Anyone wanting to learn or practice how to use a scientific calculator | PART 1:  
2x2 Tables and Fraction Multiplication  
PART 2:  
Scientific Methods and Study Design  
Word Problems Practice  
Study Tips | PART 1:  
08/27 -- 12:30-3:30pm  
PART 2:  
8/27 -- 4-7pm |
iPrep

O

CHEM

WHO
Anyone taking CHEM 3411.
Anyone taking the General Chemistry Assessment Test (GCAT)
Anyone wanting to learn or practice how to use a scientific calculator

WHAT
PART 1:
Electronegativity
Acid/Base Chemistry
Lewis dot structures
Molecular geometry
VSPER theory
MO theory

PART 2:
Electron Orbitals
Hybridization
Line Drawings
Functional Groups
Study Tips for Ochem Success!

PART 3:
Nomenclature
Mechanism Drawing
Components of a Mechanism

WHEN
PART 1:
8/12 -- 8am-10am
8/21 -- 9:30am-11:30am

PART 2:
8/13 -- 8am-10am
8/21 -- 12pm-2pm

PART 3:
8/14 -- 8am-10am
8/21 -- 2:30pm-4:30pm

Learning Resources Center
UNIVERSITY OF COLORADO DENVER
lrc@ucdenver.edu
www.ucdenver.edu/lrc
City Heights Learning Commons
1191 Larimer, Suite 1201

FALL 2021
PREP
INTENSIVE

8/12 -> 8am-10am
8/21 -> 9:30am-11:30am
8/13 -> 8am-10am
8/21 -> 12pm-2pm
8/14 -> 8am-10am
8/21 -> 2:30pm-4:30pm