ADVANCED INORGANIC CHEMISTRY

Schedule
Mondays & Wednesdays, 5:00-6:20PM, WR-260

Instructor
Jing Li (WR-207, 5-3758, jingli@rutgers.edu)

Course Content
Fundamentals of inorganic and solid state chemistry, including electronic structures of atomic, molecular and crystal systems, symmetry and chemical bonding, coordination compounds and simple solids, VB, MO and band theory.

Textbook
"Inorganic Chemistry", 4th Ed., 2010
Gary L. Miessler and Donald A. Tarr

Reference Books

Lecture Notes
Lecture notes will be posted on the Sakai course website. Access will be provided to all students enrolled in the course.

https://sakai.rutgers.edu/portal

Homework
Suggested problems will be selected from the textbook and from other sources. Homework will not be graded.

Office Hours
Thursdays 5:00-6:30PM.

Presentation/Report
Each student is expected to give an oral presentation (~25 minutes) on a current topic in the areas of Inorganic Chemistry. A written report must be completed by the due date. See “Guidelines” for detailed information.

Hands-on Project
There will be a small hands-on project for all students. Each student is expected to complete the project independently and submit the assignment on time. The project counts for 5% of the total grade.
Exams

There will be two mid-term exams and an accumulative final exam. The mid-term exams will be given during the time of regular lecture hours. The final exam will be two (2) hours. The dates and time are listed in the “Tentative Schedule”.

Grading Policy

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Mid-term Exams (2)</td>
<td>25% × 2</td>
</tr>
<tr>
<td>Final Exam</td>
<td>30%</td>
</tr>
<tr>
<td>Calculation Project</td>
<td>5%</td>
</tr>
<tr>
<td>Presentation and Report</td>
<td>15%</td>
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There will absolutely be NO make-up exams. If a student fails to take an exam due to a medical emergency and has submitted a valid verification by a health care provider, the remaining exams will be converted to make up for the missed one to calculate the final grade.