

## Chem 162 General Chemistry II Syllabus, Spring 2014

- *When:* MWF 12:30pm – 12:20pm
- *Where:* Bilger 152
- *Instructor:* **Dr. Andrei Natarov** [[natarov@hawaii.edu](mailto:natarov@hawaii.edu)]
- *Office hours:* MTWThF 2pm - 3:10pm, Bilger 247A

### General Information

- **Course prerequisites:** C or better in Gen Chem I
- **Required Textbook:** *Chemistry: A Molecular Approach*, 3rd ed., Tro (Pearson)
- **Required Website:** [www.masteringchemistry.com](http://www.masteringchemistry.com)  
Course ID: **MCNATAROV55359**  
*Mastering Chemistry account is required for doing homework assignments.*
- **Tutors and TAs:** Tutors' room is located at [Bilger Addition 209](#).

Grade	%
A	≥ 90%
B	80 – 90%
C	65 – 80%
D	45 – 65%
F	< 45%

### Grading and Exam Schedule

- Homeworks and class participation: **15% of the grade**
- Midterm I (based on Chapters 1-12), Wednesday, February 5: **17% of the grade**
- Midterm II (Chapters 13 and 14), Wednesday, March 5: **17% of the grade**
- Midterm III (Chapters 15 and 16), Wednesday, April 9: **17% of the grade**
- Final exam (comprehensive but 50% based on Chapters 17 and 18): Friday, May 16 **noon-2:00pm, 34% of the grade**

**Tentative Schedule:**

MONDAY	WEDNESDAY	FRIDAY
Jan 13th 1 Review of Gen Chem I	15th 2 Review of Gen Chem I	17th 3 Intermolecular Forces
20th Martin Luther King, Jr. Day	22nd 4 Phase diagrams	24th 5 Solutions
27th 6 Solutions	29th 7 Solutions	31st 8 Solutions
Feb 3rd 9 Review	5th 10 Midterm I	7th 11 Chemical Kinetics
10th 12 Chemical Kinetics	12th 13 Chemical Kinetics	14th 14 Chemical Kinetics
17th Presidents' Day	19th 15 Chemical Kinetics	21st 16 Chemical Equilibrium
24th 17 Chemical Equilibrium	26th 18 Chemical Equilibrium	28th 19 Chemical Equilibrium
Mar 3rd 20 Review	5th 21 Midterm II	7th 22 Acids and bases
10th 23 Acids and bases	12th 24 Acids and bases	14th 25 Acids and bases
17th 26 Acids and bases	19th 27 Aqueous ionic equilibrium	21st 28 Aqueous ionic equilibrium
24th Spring Break	26th Spring Break	28th Spring Break
31st 29 Aqueous ionic equilibrium	Apr 2nd 30 Aqueous ionic equilibrium	4th 31 Aqueous ionic equilibrium
7th 32 Review	9th 33 Midterm III	11th 34 Thermodynamics

MONDAY	WEDNESDAY	FRIDAY
14th <b>35</b> Thermodynamics	16th <b>36</b> Thermodynamics	18th Good Friday
21st <b>37</b> Thermodynamics	23rd <b>38</b> Thermodynamics	25th <b>39</b> Electrochemistry
28th <b>40</b> Electrochemistry	30th <b>41</b> Electrochemistry	May 2nd <b>42</b> Electrochemistry
5th <b>43</b> Electrochemistry	7th <b>44</b>	9th <b>45</b>
12th	14th	16th Final Exam