

VIPEr Workshop: Inorganic Chemistry at the Frontiers of Catalysis
University of North Carolina
Chapel Hill, NC
15 Jul 2012 - 20 Jul 2012

DAY 1 SUNDAY EVENING: WELCOME!

5:30 PM	DINNER AND WELCOME – Professor Joe Templeton, University of North Carolina Carolina Brewery, 460 West Franklin St.
	<i>Evening Sessions: Kenan Lab Room B229</i>
7:30	Introduction to <i>Learning Object</i> (LO) design using Understanding by Design – Joanne Stewart, Hope College
8:00	Small group sharing of learning object ideas

DAY 2 MONDAY: GETTING TO KNOW VIPER; UNDERSTANDING LEARNING OBJECTS (LOS); INTRODUCTION TO ORGANOMETALLIC CHEMISTRY

	<i>Morning Sessions: Kenan Lab Room B229</i>
8:30 AM	Advanced VIPEr user training – Sheila Smith, University of Michigan - Dearborn
9:30	Writing a learning object: Pedagogical considerations and VIPEr requirements – Barbara Reisner, James Madison University
10:15	BREAK
10:30	Working on learning objects - individual work
12:00	LUNCH at Lenoir Hall
	<i>Afternoon Sessions: Kenan Lab Room B229</i>
1:00 PM	Teaching a learning object – literature discussions – Hilary Eppley, DePauw University
2:00	How to post a learning object and more work on learning objects – Reisner
3:00	BREAK
3:15	Back to Grad School Session 1 (B2GS 1) - whirlwind review of organometallic (OM) chemistry using learning objects. How is OM taught in the undergraduate classroom? – B. Scott Williams, Claremont McKenna, Pitzer, and Scripps Colleges
	DINNER on your own
HW	Post your learning object to VIPEr Read Goldman and Ison papers associated with the expert talks. Goldman and Ison groups should prepare questions for literature discussions.



DAY 3 TUESDAY: TEACHING INORGANIC CHEMISTRY; EXPLORATION OF TECHNOLOGY AND TEACHING

	<i>Morning Sessions: Kenan Lab Room B229</i>
8:30 AM	What do we teach in inorganic chemistry? A discussion of our courses and syllabi. – Stewart
9:30	Participant exploration of VIPeR for LOs to use. Participants create a collaborative Google Doc of LOs to try in their classrooms. – Smith
10:30	BREAK
10:45	Technology tools for teaching - <i>collaboration</i> (Google Docs / LMS wikis and forums / Skype / Google Sites) – Williams Technology tools for teaching - <i>gadgets</i> (Livescribe pens / SmartBoards / Clickers / smart phones) – Smith These are both whole group discussions. Please bring ideas to share.
12:00	LUNCH by Panera
	<i>Afternoon Sessions: Murray Building Room G202</i>
1:30 PM	B2GS 2 – Professor Alan Goldman, Rutgers University
2:15	Questions/discussion with Professor Goldman and brainstorming in large group about the kinds of LOs (in-class exercise, problem set question, 5-slides about, etc.) that can be developed from the talk
3:00	BREAK
3:15	B2GS 3 – Professor Elon Ison, North Carolina State University
4:00	Questions/discussion with Professor Ison and brainstorming in large group about the kinds of LOs that can be developed from the talk
5:00 PM	Planetarium Trip: http://www.moreheadplanetarium.org/ 250 East Franklin St.
	DINNER on your own
HW	Read Dempsey , Miller , and Brookhart papers associated with the expert talks. Dempsey, Miller, and Brookhart groups should prepare questions for literature discussions.



DAY 4 WEDNESDAY: DEVELOPING LEARNING OBJECTS FROM EXPERT PRESENTATIONS

	<i>Morning Sessions: Chapman Room 201</i>
9:00 AM	B2GS 4 – Professor Jillian Dempsey, University of North Carolina
9:30	Questions/discussion with Professor Dempsey and brainstorming in large group about the kinds of LOs that can be developed from the talk
10:15	BREAK
10:30	B2GS 5 – Professor Alex Miller, University of North Carolina
11:15	Questions/discussion with Professor Miller and brainstorming in large group about the kinds of LOs that can be developed from the talk
12:00	LUNCH at Lenoir Hall
	<i>Afternoon Sessions: Chapman Room 201 (Brookhart); Caudill Building Room 021, 121, 321 and Kenan Lab Room B229 (Group Work)</i>
1:30 PM	B2GS 6 – Professor Maurice Brookhart, University of North Carolina
2:15	Questions/discussion with Professor Brookhart and brainstorming in large group about the kinds of LOs that can be developed from the talk
3:00	Chemistry Department Tours (optional) FREE AFTERNOON
	DINNER on your own
HW	Continued development of LOs (groups may arrange to meet)



DAY 5 THURSDAY: POSTING YOUR NEW ORGANOMETALLIC LEARNING OBJECTS

	<i>Morning Sessions: Kenan Lab Room B229, Caudill Building Rooms 121 & 321, Venable Room 2301 (Group Work); Kenan Lab Room B229 (Opportunities)</i>
9:00 AM	Small group work – Continued development of one LO (any type) from expert talk and one LO (literature discussion) from expert paper. Begin posting LOs to VIPeR.
11:00	Opportunities and challenges for teaching LOs at your institution. What can we learn from one another? – Reisner
12:00	LUNCH by Panera
	<i>Afternoon Sessions: Kenan Lab Room B229</i>
1:30 PM	Small group work – Finish up group LOs and post to VIPeR
6:00 PM	GROUP DINNER <i>Cholanad, 308 West Franklin St.</i>
HW	Leadership team will “approve” as many of the new LOs as possible! Workshop evaluations

DAY 6 FRIDAY: WRAP-UP DAY

	<i>Morning Sessions: Kenan Lab Room B229</i>
8:30 AM	Final LO modifications
9:30	Personal action/teaching plans. Where do we go from here? VIPeR development ideas (what new features would be useful?). – Leadership Team
11:30	LUNCH

