

Communicating Science and Mathematics: Summer 2003 Schedule

Objectives:

- * Learn and practice scientific and mathematical communication.
- * Present research work at local, regional, and national meetings.
- * Appreciate the importance of scientific and mathematical communication.
- * Actively promote participation in our seminar programs.

Organization:

- * Open to all interested faculty in FNSM working with summer research students.
- * Communication emphasis on presentations of various formats and topics.
- * Bookend the experience with public presentations; goals for student development.
- * Rotation of faculty leadership.

Summer 2003 Communication Workshop Draft Schedule:

All meetings on Wednesday @ Noon in Valhalla unless otherwise noted

Date	Topic(s)	Assignment	Faculty Coordinators '03
May 28 8:30, 11:00 SC 353	Literature Searching at St. Olaf College: Demonstration of the tools (session conducted by Science Librarian Charlie Priore)	Prepare an annotated bibliography of 5 papers important to your research project.	Charlie Priore
June 4	Symposium Presentations: What makes presentations effective?	Identify features of presentations that enhance or diminish the experience. Read appropriate chapter from communication text or article.	Jason Engbrecht, Bob Hanson, Anne Walter
June 11	Proofreading/Constructively Critiquing Visuals	Prepare and bring one or more visuals for the presentation on June 13	Brian Welch and Mary Walczak
June 13 Morning, SC	<i>Research Plans Symposium:</i> Students present posters or talks on their summer projects	Prepare, with input from your faculty advisor, a poster or talk	Charles Umbanhowar
June 18	What makes a seminar or seminar speaker "good"? Seminars as one kind of oral presentation. Introducing seminar speakers.	Prepare answers to specific questions related to the quality and topics for seminar speakers.	Gary Miessler and Jeff Schweinfus

June 25	Possible seminar speakers – who should be invited to speak at St. Olaf next year?	Research an individual you would like to invite to speak on campus next year and prepare a 5 minute introduction of this person.	Bob Hanson and Rob Rutherford
July 9	The 5-minute talk – a vehicle for putting your best foot forward in various settings.	Read appropriate chapter from a communication text on public speaking	Mary Caroline Henry and Diane Angell
July 16	The 15/20-minute talk and professional meetings.	Read Gallian article (see resources list)	Anne Walter and Kathy Shea
July 23	Proofreading/Constructively Critiquing Visuals: What makes presentation visuals effective?	Examine existing posters on display in the SC and be prepared to describe effective and ineffective features of the poster. Prepare and bring one or more visuals for the presentation on August 1	Paul Jackson and Charles Umbanhowar
July 30	Lab etiquette and ethics: Small group discussion of a particular case involving scientific ethics and presentation of the problem and possible resolution to the whole group.	Read handout case(s) from “On Being a Scientist” (see resources list)	Kim Kandl and Jean Porterfield
Aug 1 Morning, SC	<i>Research Results Symposium</i> : Students present posters or talks highlighting the results of their summer projects	Prepare, with input from your faculty advisor, a poster or talk	Charles Umbanhowar