# Issues for ethnic minorities and women in science and engineering

**UNIVERSITY OF WASHINGTON**  
**Winter 2006**  
*Women Studies 485 /Physics 451*  
Profs. M. Olmstead and A. Ginorio  
Tuesday/Thursday 1:30-3:20  MEB 237

## SCHEDULE (as of January 3, 2006)

The schedule is organized around the three parts of the course: Historical and Current Status, Climate Issues and Successful Interventions and Policy Issues and Agenda for Action.

| Date | A. Introduction, Goals: Definitions.  
B. Logistics and Assignments. Proper referencing; using the web. | Date | A. Historical Overview -- Women  
B. Historical Overview -- Minorities  
[Choose Presentation Dates and Topics] |
|------|---------------------------------------------------------------|------|-------------------------------------------------------------------|
| Jan 3 | Stories of Individual Scientists -- their lives and contributions -- Women and Ethnic Minorities | Jan 5 | A. Current status in academia -- Nelson Surveys  
B. Acquiring, reading, analyzing statistical data. |
| Jan 10 | A. Current status at UW ADVANCE departments.  
Guest: Sheila Edwards-Lange  
B. Discuss Assignments | Jan 12 | A. Statistics of high school math and science  
B. Minority students transitioning from high school to college to careers |
| Jan 17 | A. History of UW’s women and ethnic minorities in Science & Engineering since 1970  
B. Discussion of Statistics Reports  
[Statistics Reports Due] | Jan 19 | Changes in a Lifetime (Guest: TBA)  
[Choose intervention program for UW Intervention Report] |
| Jan 24 | Intro. to Climate and How to Measure It: UW Leadership, Community, and Values Initiative (LCVI), MIT Report, Harvard President Address, and the responses to them. | Feb 2 | Panel on Successful Programs at UW. ADVANCE, WISE, GO-MAP, Pre-MAP, etc. |
| Feb 7 | A. Student Presentation: Climate at K-12 Level  
B. Student Presentation: Interventions K-12 Level  
[Project and Policy Memo Proposals Due] | Feb 9 | Climate for Minorities and Impact of administrative interventions: Guests: Warren Buck, TBA |
| Feb 14 | A. Women in National Labs  
B. Role of Professional Societies  
Guest: TBA  
B. Student Presentation: Role models and stereotypes |
| Feb 21 | A. Introduction to Policy.  
B. Previous policy memos  
| Feb 28 | A. Student Presentation: Testing and Standards in K-12 OR College/Graduate (SAT/GRE)  
B. Student Presentation: National Equity Laws (FMLA, Nepotism, Title IX)  
[First Draft Policy Memo Due] | Mar 2 | Possible guest: TBA  
Policy and its influence on status and climate |
| Mar 7 | UW administrator, TBA -- examples of UW/State/National policies, how they were implemented, and what was their impact. | Mar 9 | Discussion of current policy memos Final Summary and Discussion |
| Mar 13 | **Final Paper Due**  
**Final Policy Memo Due** |