

ATMOSPHERIC CHEMISTRY

CHEM F606 (cross listed as ATM F606) Overview and Schedule ---- Fall 2022

Instructor Dr. Jingqiu Mao (Reichardt 188, 907-474-7118, jmao2@alaska.edu)

Disability Services- I will work with the Office of Disabilities Services (208 Whitaker Bldg, 474-5655) to make an appointment with me to discuss appropriate accommodations. A letter from disabilities services must be provided.

Tentative Schedule:

Wk	Dates	Topic	Reading
1	30 Aug, 1 Sep	Introduction/ Atmospheric chemical composition	1,2
2	6, 8 Sep	Simple atmospheric models; lifetimes	3,5
3	13,15 Sep	Atmospheric Transport and geochemical cycling	4.1,4.2,4.3
4	20,22 Sep	Oxidation states of elements and geochemical cycles	6
5	27,29 Sep	Aerosol particles / Radiative forcing	7
6	4,6 Oct	Aerosol particles	8
7	11,13 Oct	Kinetics & Equilibrium & Midterm Exam	9.1

ASUAF advocacy statement: The Associated Students of the University of Alaska Fairbanks, the student government of UAF, offers advocacy services to students who feel they are facing issues with staff, faculty, and/or other students specifically if these issues are hindering the ability of the student to succeed in their academics or go about their lives at the university. Students who wish to utilize these services can contact the Student Advocacy Director by visiting the ASUAF office or emailing asuaf.office@alaska.edu.

Student Academic Support:

- x Speaking Center (907-474-5470, uaf-speakingcenter@alaska.edu, Gruening 507)
- x Writing Center (907-474-5314, uaf-writing-center@alaska.edu, Gruening 8th floor)
- x UAF Math Services, uaf-traccloud@alaska.edu, Chapman Building (for math fee paying students only)
- x Developmental Math Lab, Gruening 406
- x The Debbie Moses Learning Center at CTC (907-455-2860, 604 Barnette St, Room 120, <https://www.ctc.uaf.edu/student-services/student-success-center/>)
- x For more information and resources, please see the Academic Advising Resource List (https://www.uaf.edu/advising/lr/SKM_364e19011717281.pdf)

Student Resources:

- x Disability Services (907-474-5655, uaf-disability-services@alaska.edu, Whitaker 208)
- x Student Health & Counseling [6 free counseling sessions] (907-474-7043, <https://www.uaf.edu/chc/appointments.php>, Gruening 215)
- x Center for Student Rights and Responsibilities (907-474-7317, uaf-studentrights@alaska.edu, Eielson 110)
- x Associated Students of the University of Alaska Fairbanks (ASUAF) or ASUAF Student Government (907-474-7355, asuaf.office@alaska.edu, Wood Center 119)

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