

# 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](mailto: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 & <b>Midterm Exam</b>	9.1

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**Student Academic Support:**

- x Speaking Center (907-474-5470, [uaf-speakingcenter@alaska.edu](mailto:uaf-speakingcenter@alaska.edu), Gruening 507)
- x Writing Center (907-474-5314, [uaf-writing-center@alaska.edu](mailto:uaf-writing-center@alaska.edu), Gruening 8th floor)
- x UAF Math Services, [uaf-traccloud@alaska.edu](mailto: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](https://www.uaf.edu/advising/lr/SKM_364e19011717281.pdf))

**Student Resources:**

- x Disability Services (907-474-5655, [uaf-disability-services@alaska.edu](mailto: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](mailto: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](mailto:asuaf.office@alaska.edu), Wood Center 119)

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1692 Tok Lane, 3rd floor, Constitution Hall, Fairbanks, AK 99775  
907-474-7300  
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