

# ATM F673, Introduction to Micrometeorology

Course Description: This course gives a comprehensive explanation of micrometeorology, its basic theories of physics, measurement procedures and methods and how micrometeorological processes interact and affect the meso and large scale atmospheric motion. This class will deal with weather conditions on small scales of space and time. Example applications of this course can be the weather conditions lasting less than a day in the area immediately surrounding a stack, a building, air flow in street channels, or a small air shed. Seasonal series of ecosystem fluxes in Arctic Tundra and Arctic Boreal forest and calculations of heat and momentum fluxes in glaciers and on sea-ice surfaces.

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Office: IARC 315 -x7602

Office hours: Friday 10 AM to 12 AM or by appointment

Class Days: TBD (usually Tuesday and Thursday)

Class time TBD (usually

the homework. If you cannot present or do not have the homework when you are chosen to be the presenter, you will get an F. If homework is assigned as a group task, every group member must be able to answer questions related to the presentation or presentation. The group homework will be graded for completeness, correctness, understanding, presentation, discussion (50%) how the group worked as a team (50%). This grading on group work is to learn efficient teamwork, because future research questions will require more and more teamwork.

No late homework will be accepted (except in excused absences). Late homework should be submitted in readable style. "Readable style" means typed, double-spaced, using at least a 12-point font, one-inch margins, and hard copy format. It is simply too tricky to yi-8(r

office center can be reached at ~~4655~~. I will work with the office to provide reasonable accommodations for students with disabilities.

4. Any student who is an UAF sponsored athletic or who has other personal or situational difficulty that might affect class performance is invited to contact me in the first week of the semester (or as soon as such matters emerge) so that way accommodating the difficulty may be anticipated.

5. Please also let me know if you have condition that could require direct medical attention (e.g. pregnancy, allergies, and other chronic diseases).