



ATMOSPHERIC AND ENVIRONMENTAL SCIENCES

FALL (Even Years)

AES 201	Introduction to Atmos. Sci. (DRC)
BIOL 311+L	Principles of Ecology Lab (LAK)
AES 403*	Biogeochemistry (LAK)
AES 405*	Air Quality (DVK)
AES 450	Synoptic Meteorology I (AJF)
AES 460*	Atmospheric Dynamics (AJF)
AES 503*	Biogeochemistry (LAK)
AES 505*	Air Quality (DVK)
AES 519	High-Perf Computing in Earth Sciences (WJC)
AES 560*	Atmospheric Dynamics (AJF)

SPRING (Odd Years)

AES 404*	Thermodynamics (DVK)
AES 406*	Global Environmental Change (LAK)
AES 455+L*	Synoptic Meteorology II (AJF)
AES 504*	Thermodynamics (DVK)
AES 506*	Global Environmental Change (LAK)
AES 555+L*	Synoptic Meteorology II (DRC)
AES 660	Atmospheric Dynamics II (AJF)
AES 690	Graduate Seminar (AJF/LAK)
AES 744+L	Numerical Weather & Climate Prediction (WJC)

SUMMER (ALL YEARS AS NEEDED)

BIOL 333+L	Aquatic Ecol. & Watershed Management (LAK)
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FALL (Odd Years)

AES 201	Introduction to Atmos. Sci. (DRC)
BIOL 311+L	Principles of Ecology (LAK)
AES 401*	Atmospheric Physics (DVK)
AES 501*	Atmospheric Physics (DVK)
AES 615	Earth Systems Modeling (WJC)
AES 773	Mesometeorology (AJF)
AES 775	Applied Freshwater Science (LAK)

SPRING (Even Years)

AES 216	Fundamentals of Weather Analysis (AJF)
AES 404*	Thermodynamics (DVK)
AES 406*	Global Environmental Change (LAK)
AES 424*	Resiliency in Meteo and Eng (WJC)
AES 430*	Radar Meteorology (AJF)
AES 504*	Thermodynamics (DVK)
AES 506*	Global Environmental Change (LAK)
AES 524*	Resiliency in Meteo and Eng (WJC)
AES 530*	Radar Meteorology (AJF)
AES 570	The Wildfire Environment (DRC)
AES 690	Graduate Seminar (AJF/LAK)
AES 780	Stream Ecology (LAK)

OFFERED AS NEEDED (ANY SEMESTER)

AES 491	Independent Studies in Atmos. Sci.
AES 492	Special Topics in Atmos. Sci.
AES 520	Remote Sensing for Research I (WJC)
AES 540	Atmospheric Electricity (Staff)
AES 591	Independent Studies in Atmos. Sci.
AES 592	Advanced Topics in Atmos. Sci.
AES 603	Biosphere/Atmosphere Interactions (LAK)
AES 612	Atmospheric Chemistry (Staff)
AES 643	Precipitation Physics & Cloud Modif. (Staff)
AES 651	Measurement/Instrumentation (Staff)
AES 691	Independent Studies in Atmos. Sci.
AES 692	Advanced Topics in Atmos. Sci.
AES 791	Independent Studies in Atmos. Sci.
AES 792	Advanced Topics in Atmos. Sci.
AES 788	Master's Research Project
AES 798	Graduate Research (Thesis)
AES 808	Fundamental Problems in Eng and Sci
AES 898	Dissertation Research
IS 498	Undergraduate Research and Scholarship
CP x97	Career Planning - Cooperative Internship (WJC)

KEY AND COMMENTS**COLOR SHADING**

- Courses required for undergraduate BS IS-ATM Degree
- Courses required for graduate MS AES Degree
- Courses required for graduate PhD AES Degree

- Courses on hiatus available on Programmatic Need
- Elective Courses

* Indicates dual-level classes.