

**ENV H 448/ ENV H 548 (Community Air Pollution)**  
**Class Schedule, Spring 2009**  
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Date	Topic	Instructor(s)	Readings**	
			required	recommended
April 1 (W)	Introduction	S Vedal		
April 3 (F)	Sources, components & chemistry (I)	S Vedal	Ch 2.1, 2.2, 2.4; [1]	J.Ch 5; [2]
April 8 (W)	Sources, components & chemistry (II)	S Vedal	Ch 2.3; [3, 4]	
April 10 (F)	Dynamics, meteorology, dispersion & modeling	S Vedal	Ch 1.1, 1.2, 3.1, 3.3 & 7.3	Ch 1.3, 3.2
April 15 (W)	Quiz 1 discussion; Criteria pollutant health effects (I)	S Vedal	[5]	Ch 5
April 17 (F)	Criteria pollutant health effects (II)	S Vedal	as above	as above
April 22 (W)	Criteria pollutant health effects (III)	S Vedal	as above	as above
April 24 (F)	Hazardous air pollutants & health effects	S Vedal	Ch 8.4.8; [6,7,8,9,10,11]	[12,13]
April 29 (W)	Quiz 2 discussion; Welfare effects: visibility	S Vedal	Ch 4.1-4.2	
May 1 (F)	Welfare effects: ozone depletion, acid deposition, vegetation effects Mid-term review	S Vedal	Ch 4.6 & 6.3.3; Ch 4.3-4.5; Ch 6 (esp. 6.1 & 6.3.2.1)	
May 6 (W)	Mid-term examination			

\*\* Chapters and chapter sections are in Godish (Air Quality, 4<sup>th</sup> ed); Chapters following “J.” are from Jacobson (Atmospheric Pollution); Numbers in brackets [ ] refer to supplemental readings identified in the course syllabus (see Readings)

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May 8 (F)	Greenhouse gases (climate change) Bulletin board (pro & con) discussion assignments	S Vedal	Ch 4.7; [14,15]	[16]
May 13 (W)	Air quality management (I): PSCAA/wood burning	K Himes (PSCAA)	[17,18]	
May 15 (F)	Control methodology & technology	S Vedal	Ch 10	Ch 9
May 20 (W)	Quiz 3 discussion; Air quality monitoring	M Gilroy (PSCAA)	Ch 7.1 – 7.2 [19,20]	
May 22 (F)	Air quality management (II): standards/guidelines	S Vedal	Ch 8.3-8.4	[21]
May 27 (W)	Air quality management (III): compliance	S Vedal	Ch 8.1-8.2,8.5- 8.6; [17]	
May 29 (F)	Special topic: alternative fuels	S Vedal	[22]	[23, 24, 25]
June 3 (W)	Indoor air quality & health effects	students & S Vedal	Ch 11; [26]	
June 5 (F)	Pro & con topic discussions; Course review; Faculty research & policy experience	S Vedal		
June 9 (T)	Final exam			

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