

ENV H 490 (Community Air Pollution)
Class Schedule, Spring 2008
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Date	Topic	Instructor(s)	Readings**	
			required	recommended
April 2 (W)	Introduction	S Vedal		
April 4 (F)	Sources, components & chemistry	S Vedal	Ch 2; [1]	[2]
April 9 (W)	Dynamics & meteorology	D Kalman	Ch 1 & 3	
April 11 (F)	Transport, dispersion & modeling	D Kalman & T Larson	Ch 3 & 7.3	
April 16 (W)	Criteria pollutant health effects (I)	S Vedal	[3]	Ch 5
April 18 (F)	Criteria pollutant health effects (II)	S Vedal		Ch 5 contin
April 23 (W)	Hazardous air pollutants	S Vedal	Ch 8.4.8; [4,5,6,7,8,9]	[10,11]
April 25 (F)	Chemistry & health effects, contin; Welfare effects (visibility)	S Vedal	Ch 4.1-4.2; Ch 6	
April 30 (W)	Welfare effects, contin; Greenhouse gases (climate change)	S Vedal & student	Ch 4.3-4.5; 4.7 [12,13]	[14]
May 2 (F)	Greenhouse gases (climate change), contin; Mid-term review	S Vedal		
May 7 (W)	Mid-term examination			

** Chapters and chapter sections are in Godish (Air Quality, 4th ed)

Numbers in brackets [] refer to supplemental readings identified in the course syllabus (see Readings)

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Date	Topic	Instructor(s)	Readings**	
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May 9 (F)	Bulletin board (pro & con) discussion assignments	S Vedal		
May 14 (W)	Welfare effects (ozone depletion); Air quality monitoring	S Vedal	Ch 4.6; Ch 7.1-7.2	
May 16 (F)	Air quality monitoring, contin; Control methodology & technology	S Vedal & student	[15, 16]; Ch 10	Ch 9
May 21 (W)	Air quality management (I): PSCAA/wood burning	K Himes (PSCAA)	[17, 18]	
May 23 (F)	Control methodology & technology, contin Air quality management (II): standards/guidelines	S Vedal & student	Ch 10 (contin); [19]	Ch 9 (contin); Ch 8
May 28 (W)	Special topic: alternative fuels	M Brady (PSCAA)	[20]	[21, 22, 23]
May 30 (F)	Air quality management (III): local agencies	S Vedal & student	Ch 8	
June 4 (W)	Pro & con topics; Indoor air quality & health effects	student discussions & S Vedal	Ch 11	
June 6 (F)	Indoor air quality & health effects, contin; Course review; Faculty research & policy experience	S Vedal	Ch 11 (contin)	
June 10 (T)	Final exam			

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