Course Syllabus

Jump to Today

ESRM/ENVIR/ECON 235

Introduction to Environmental Economics

Summer 2022 A term

Instructor: Sergey Rabotyagov

Associate Professor

School of Environmental and Forest Sciences

rabotyag@uw.edu (mailto:rabotyag@uw.edu)

Anderson Hall 123G

Office hours (in-person or Zoom) - by appointment, usually available immediately after class

Course location: Anderson Hall 008

This will be a hybrid course, where many meetings will occur in person (in Anderson 008) yet a Zoom option is available to students, and some course meetings may occur on Zoom in their entirety. Most of the course is going to be in-person, live, and synchronous. I strongly encourage you all to attend the lectures and actively engage with the lecture material, questions I will pose, and in-class activities and discussions. At the same time, I will make course recordings available to the students. Powerpoint notes and other materials will be posted in the "Course outline" section below. In my presentation, sometimes I will follow the Powerpoint notes, and sometimes I will add material in the lecture or leave the material in the Powerpoints for your independent perusal.

Course meeting times: MTWTh 1:10 - 3:20

Final exam: July 20

Course overview and objectives:

This course is intended to serve as an introduction to the concepts, theories, and methods used in the economic analysis of environmental and natural resource issues. The course covers topics such as scarcity, choice, economic concept of value, the principles of market efficiency, and why the market often appears to fail where environmental and natural resource issues are concerned. Environmental policy prescriptions and tools designed to correct such market failures are explored. Economic principles and tools are used to discuss pollution, management and use of renewable natural resources such as forests and fisheries, the problem of managing nonrenewable resources, and sustainability. The course aims to provide students with an ability to think about pressing environmental and resource issues and possible solutions in terms of individual and social choices, tradeoffs, and efficiency, i.e., in economic terms.

Learning outcomes

Upon the completion of the course, the students will be able to:

- Understand and recognize when encountered in research or other literature, at the minimum, the following concepts
 - Pareto-improvement
 - Pareto-efficiency
 - Potential compensation test
 - Scarcity
 - Importance of exchange
 - Individual and market demand and demand shifters
 - Individual and market supply and supply shifters
 - Economic efficiency
 - Technical efficiency

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- The role of prices in the economy
- Externality
- $\circ~$ Transactions costs and the Coase Theorem
- Rivalry
- Excludability
- Common pool resources
- Simple non-cooperative games
- Best response and Nash equilibrium
- Consumer and producer surplus
- Stated preference methods of non-market valuation
- Revealed preference methods of non-market valuation
- Capital, the valuation principle, and discounting
- Net present value
- Price-based incentive policies and their likely consequences
- Quantity-based incentive policies and their likely consequences
- Cost-effectiveness
- Natural capital and ecosystem services
- Weak and strong sustainability
- Regulating a stock pollutant
- Benefit-cost analysis
- Distributional equity analysis
- Sustainable development goals
- Solve, graphically and algebraically, for efficient and competitive market outcomes in a partial equilibrium framework
- Understand the role, promise, and pitfalls of market allocation mechanisms
- Find, explain, graphically identify, and compute (in the case that numerical parameters are provided), the following
 - Market equilibrium outcome
 - Efficient outcome
 - Deadweight loss
 - Consumers' surplus
 - Producers' surplus
- Evaluate a specific instance of resource allocation, identify potential market failures, and sketch out possible corrective policies
- · Continue the study of economic aspects of environmental policy and management at intermediate and advanced levels
- Readily comprehend economic analyses of environmental issues presented in policy documents produced by governmental, nongovernmental, international, and research organizations
- Comprehend, with only occasional need for reference, primary research articles published by economists and interdisciplinary teams in outlets such as *Nature, Science, Proceedings of the National Academies of Sciences*, and similar

Required textbook (denoted HR in the syllabus):

Environmental and Natural Resource Economics:

A Contemporary Approach, 4th Edition

by Jonathan Harris & Brian Roach

A very economical option is to rent the book: <u>https://www.amazon.com/Environmental-Natural-Resource-Economics-Contemporary-dp-1138659479/dp/1138659479/ref=mt_other?_encoding=UTF8&me=&qid=1655749965</u> (https://www.amazon.com/Environmental-Natural-Resource-Economics-Contemporary-dp-1138659479/dp/1138659479/ref=mt_other?_encoding=UTF8&me=&qid=1655749965)

http://www.bu.edu/eci/education-materials/textbooks/environmental-and-natural-resource-economics/student-supplements/ (http://www.bu.edu/eci/education-materials/textbooks/environmental-and-natural-resource-economics/student-supplements/)

Additional readings and exercises will also come from https://www.core-econ.org/ (https://www.core-econ.org/)

Grading and Evaluation (please find all assignments under the "Quizzes" section on Canvas)

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https://canvas.uw.edu/courses/1609052/assignments/syllabus

There will be 4 homework assignments throughout the course.

Midterm Exam: 20%

Final Exam: 20%

Both midterm and the final exams will take the form of open book, open notes, <u>individually completed</u>, timed Canvas Quizzes. You may use the textbook and notes but you cannot use other web materials or collaborate with others in person or electronically.

Grades will be weighted as above to arrive at a percentage grade which will be converted to the 4.0 scale using the 55% cutoff for 0.7 and 95% and above for 4.0, with a linear interpolation in between: grade_scale.PNG (https://canvas.uw.edu/courses/1609052/files/93335497/download?download_frd=1)

I also expect to offer some synchronous and asynchronous activities which can earn extra credit.

Homework assignments are take-home work on which you may collaborate in groups, but you must submit your your own answers.

Course outline (subject to change as quarter progresses, so check it frequently). Generally, please try to do the readings listed here before class, and follow with reviewing Powerpoint and other notes and additional suggested readings and resources. Students are expected to come to class prepared and ready to engage in a meaningful discussion.



Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics

_(https://docs.google.com/document/d/1wR_U9ya62xKEmGHw3KDV1qCdnMXJPB6LKswM4mpLpk8/edit?usp=sharing)_

Breakout room discussion: skim section 5.2 <u>https://www.core-econ.org/the-economy/book/text/05.html#52-evaluating-</u> institutions-and-outcomes-the-pareto-criterion (<u>https://www.core-econ.org/the-economy/book/text/05.html#52-evaluating-institutions-</u> and-outcomes-the-pareto-criterion) (can omit game-theory-specific terms--we will cover those later, consider Figure 5.1 . Discuss your answers to <u>https://www.core-econ.org/the-economy/book/text/05.html#question-51-choose-the-correct-answers</u> (<u>https://www.core-econ.org/the-economy/book/text/05.html#question-51-choose-the-correct-answers</u>) and see the feedback.

**To-Do: <u>Quiz 1</u> -

Choosing the efficient level of environmental quality. Total benefits and total costs and marginal benefits and marginal costs.Equimarginal Principle I.

Read: HR pp. 68-76

Notes: Lecture2_equimarginal_principle_so2_example.pptx

3. Efficiency of markets. Supply and demand. Working with a market model. Markets and economic efficiency. Measuring benefits and costs using demand and supply. Consumers' surplus, producers' surplus; adding up demand

Notes: supply_demand (2).pptx

Read: <u>https://core-econ.org/the-economy/book/text/08.html</u> (you can ignore the concepts of "Nash equilibrium" and "isoprofit")

Explore: <u>https://www.econgraphs.org/graphs/micro/equilibrium/partial_equilibrium/summing_linear_demands</u> (<u>https://www.econgraphs.org/graphs/micro/equilibrium/partial_equilibrium/summing_linear_demands</u>)

Breakout question: Suppose a demand curve is described by $Q_d(P) = 30 - 0.5P$ and the supply curve is described by $Q_s(P) = \frac{1}{2}P$. Plot the supply and demand curves with P (in \$) on the vertical axis and Q on the horizontal axis. A useful thing to do would be to invert both curves so that marginal benefits and marginal costs are represented as a function of quantity. For the demand curve, expressing it as $mWTP(Q) = P_d(Q)$ can be done by inverting the demand expression $Q = 30 - 0.5P \Leftrightarrow 0.5P = 30 - Q \Leftrightarrow P_d(Q) = 60 - 2Q = mWTP(Q)$ and similarly for the supply curve. Find the competitive market equilibrium quantity and price.

**Reminder: <u>Homework 1</u>

KEY:

4. Market failures I (externalities)

Read: Ch. 3 HR up to section 3.3. + Appendix 3.2

Notes

Handout: Transport externalities handout.docx

Optional: Externality, visualized: https://vimeo.com/119170132 (https://vimeo.com/119170132)

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Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics

Solve for the market equilibrium quantity and the efficient outcome quantity. Label NSB in both cases. Convince yourself that

NSB(market outcome) < NSB(efficient outcome) outside of class time. Demand: $MSB(Q) = P_d(Q) = 12 - 1.5Q$ Supply (marginal private cost): $MPC(Q) = P_s(Q) = 2 + Q$ Marginal damage from a negative externality: MD = 2.5Competitive market outcome: MPC(Q) = MSB(Q), that is, supply = demand Efficient outcome: MSB(Q) = MSC(Q) or MSB(Q) = MPC(Q) + MD or $P_d(Q) = P_S(Q) + MD$ 4. Coase theorem. Read: Section 3.3 in HR: Notes: coase_theorem.pptx 5. Market failures II (public goods). Tragedy of the commons. https://www.youtube.com/watch?v=E1v5eRs0_fw&list=PLBfu1mD9hk64sgOIH_nUEsndUzACDe-4Y&index=16&t=0s (https://www.youtube.com/watch?v=E1v5eRs0_fw&list=PLBfu1mD9hk64sgOIH_nUEsndUzACDe-4Y&index=16&t=0s) (https://www.youtube.com/watch?v=E1v5eRs0_fw&list=PLBfu1mD9hk64sgOIH_nUEsndUzACDe-4Y&index=16&t=0s) Read: Ch. 4 in HR: Notes. Activity: https://docs.google.com/spreadsheets/d/1jV3uGxiO0LnBnz3nB15pIIB97kngSgZpfNanZ9XRCzk/edit?usp=sharing (<u>https://docs.google.com/spreadsheets/d/1jV3uGxiO0LnBnz3nB15pllB97kngSgZpfNanZ9XRCzk/edit?usp=sharing)</u> Optional: https://www.core-econ.org/espp/book/text/11.html#1111-public-goods-common-pool-resources-and-market-failure (https://www.core-econ.org/espp/book/text/11.html#1111-public-goods-common-pool-resources-and-market-failure) Congestion example spreadsheet (/ (https://canvas.uw.edu/courses/1609052/files/93335674/download?download_frd=1) Local example: https://www.seattle.gov/Documents/Departments/SDOT/About/SeattleCongestionPricingStudy_SummaryReport_20190520.pdf (https://www.seattle.gov/Documents/Departments/SDOT/About/SeattleCongestionPricingStudy_SummaryReport_20190520.pdf) Midterm exam (tentative date: July 6). Common pool resource management simulation (extra credit) Game link is <u>https://economics-games.com/tragedy-commons</u> (<u>https://economics-games.com/tragedy-commons</u>). payoff sheet and the fishery dynamics example is https://docs.google.com/spreadsheets/d/1jV3uGxiO0LnBnz3nB15pllB97knqSgZpfNanZ9XRCzk/edit?usp=sharing naring) Resetting the test student will clear **Reset Student** You are currently logged all history for this student, allowing into Student View you to view the course as a brand Leave Student View new student.

6/29/22. 3:47 PM	Svllabus for ECON 235 A Su 22	Introduction To Environmental Economics
Notes: Game_theory.pptx	,	
Further reading: with more games a econ.org/the-economy/book/text/04.	analyzed: <u>https://core-econ.org/the-ec</u> html#subheadline)	onomy/book/text/04.html#subheadline (https://core-
Good videos from Jesse Agar: https://www.youtube.com/watch1	? <mark>reload=9&v=t9Lo2fgxWHw</mark> _ <u>(https://</u> v	<u>vww.youtube.com/watch?reload=9&v=t9Lo2fgxWHw)</u>
\triangleright		
(https://www.youtube.com/watch?reloa	d <u>=9&v=t9Lo2fgxWHw)</u>	
and on the iterated prisoners' dilem	ma and evolution of cooperation	
https://www.youtube.com/watch1	v=BOvAbjfJ0x0 (https://www.youtub	.com/watch?v=BOvAbjfJ0x0)
\triangleright		
(<u>https://www.youtube.com/watch?v=BC</u>	<u>vAbjfJ0x0)</u>	
Link for player signup: <u>https://docs</u> usp=sharing _(<u>https://docs.googk</u>	s.google.com/spreadsheets/d/14c5Sfd e.com/spreadsheets/d/14c5SfdjNnA7pvYf	jNnA7pvYfNS4T9LEZ8bY6_LmYeM8R3P4EHyRA/edit? IS4T9LEZ8bY6_LmYeM8R3P4EHyRA/edit?usp=sharing)_
7. Cost-efficiency. Equimarginal	Principle II. Assessing incentive-base	d policy options: subsidies, taxes, cap-and-trade.
Read: HR Ch. 8;		
Notes: cost_efficiency-1 (4).pptx		
Review for the midterm exam		
spreadsheet with an example: <u>equi</u> (https://canvas.uw.edu/courses/160905	marginal_principle_2_example.xlsx	<u>L</u>
Optional: summary and analysis of 22/Pdf/Bill%20Reports/House/512	the new WA cap-and-trade bill <u>http://lav</u> 26-S2.E%20HBA%20ENVI%2021.pdf?(/ <u>filesext.leg.wa.gov/biennium/2021-</u> u=20210510134337
(http://lawfilesext.leg.wa.gov/bienniu	m/2021-22/Pdf/Bill%20Reports/House/512	 6-S2.E%20HBA%20ENVI%2021.pdf?q=20210510134337)
8. Global climate change/"bathtu	b analogy". Regulating a stock pollut	ant
Read: HR Ch. 12		
Notes: climate change cost efficie	ency and ipcc.pptx	
International synthesis: <u>https://www (https://www.ipcc.ch/pdf/assessmen</u>	w.ipcc.ch/pdf/assessment-report/ar5/v t-report/ar5/wg3/ipcc_wg3_ar5_summary-	vg3/ipcc_wg3_ar5_summary-for-policymakers.pdf for-policymakers.pdf)
Not required, but highly recommend (<u>http://www.ipcc.ch/pdf/assessment-</u>	ded: <u>http://www.ipcc.ch/pdf/assessme</u> report/ar5/syr/AR5_SYR_FINAL_SPM.pdf	nt-report/ar5/syr/AR5_SYR_FINAL_SPM.pdf -
In-class activity: climate pledges sir	nulation	
World-Climate-Proposal-Form.dc	<u>cx</u>	
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WCS Briefing Statement - Other	<u>Developed v9.pdf</u>		
WCS Briefing Statement - Other	<u>· Developing v9.pdf</u>		
WCS Briefing Statement - US v1	5.pdf		
Pledges:			
https://docs.google.com/spread (https://docs.google.com/spreadsh	sheets/d/19GuKjigjwldX_WxmlOl5jTXI eets/d/19GuKjigjwldX_WxmlOl5jTXI9OmVJ	9OmVJ6sENZaFOw_y9Z/ I6sENZaFOw_y9ZA/edit?usp	A/edit?usp=sharing p=sharing)_
Additional CI slides: World-Clima	<u>te-Slides-Mar-2022-v6.pptx</u>		
Supplemental-Slides-Dec-2021-	<u>v9.pptx</u>		
Some additional data sources use	d:		
https://www.climatewatchdata.o	rg/ghg-emissions (https://www.climate	ewatchdata.org/ghg-emissic	<u>ons)</u>
http://openclimatedata.net/clima spirals/from-emissions-to-global-w	<u>ate-spirals/from-emissions-to-global-w</u> arming-line-chart/)	arming-line-chart/ (http://	://openclimatedata.net/climate-
https://www.globalwarminginde	x.org/ (https://www.globalwarmingindex	<u>k.org/)</u>	
https://sealevel.climatecentral.o	rg/about (https://sealevel.climatecentra	al.org/about)	
9. Experience with market instru	uments and policies for climate change	e: taxes, cap-and-trade, E	N-ROADS simulation exercise
Read: Ch. 13 HR			
Notes: climate change part 2 po	licies.pptx		
Optional:			
Consider scenarios in https://croa	adsworldclimate.climateinteractive.org	<u>J/(https://croadsworldclin</u>	nate.climateinteractive.org/)
Very helpful in understanding the i	rapidly evolving policy landscape		
https://carbonpricingdashboard pricing)	worldbank.org/what-carbon-pricing	<u>_(https://carbonpricingdash</u>	board.worldbank.org/what-carbon-
10. Giving environment a "mone	ey voice": valuation I. Taxonomy of val	lues and methods. Revea	led preference methods.
Read: Ch. 6 HR; 125-136;			
<u>Notes</u>			
Optional: Travel Cost example.xl	ı <u>sx</u> ↓ (https://canvas.uw.edu/courses/16090)52/files/93335541/download?	download_frd=1)
https://www.youtube.com/playli	<u>st?list=PLBfu1mD9hk66oUljAURGn9P</u>	CXbUnBHWaP (https://v	vww.youtube.com/playlist?
list=PLBfu1mD9hk66oUljAURGn9P	<u>CXbUnBHWaP)</u>		
11. Valuation II: Stated preferen	ice methods. Value of risks to life and	health.	
Read: Ch. 6 HR, pp. 137-150;			
<u>Notes</u>			
Note on VSL terminology problem	: recent suggestions to use "value of redu	uced mortality risk" (VRMR`) (see
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Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics

Recommended: http://theconversation.com/whats-the-value-of-a-clean-beach-heres-how-economists-do-the-numbers-94805 (http://theconversation.com/whats-the-value-of-a-clean-beach-heres-how-economists-do-the-numbers-94805)

12. Benefits and costs across time. Discounting.

Read: Ch. 7 HR + Appendix;

bca discounting-1.pptx

Optional:

https://www.researchgate.net/profile/Gerald_Shively/publication/255661807_An_Overview_of_Benefit-Cost_Analysis/links/00b4953c6c71e4e538000000.pdf

(https://www.researchgate.net/profile/Gerald_Shively/publication/255661807_An_Overview_of_Benefit-

Cost_Analysis/links/00b4953c6c71e4e538000000.pdf)_

EPA's guidelines for economic analyses of environmental issues: <u>https://www.epa.gov/environmental-economics/guidelines-preparing-economic-analyses</u> (<u>https://www.epa.gov/environmental-economics/guidelines-preparing-economic-analyses</u>)

See pp. 173-175 in HR on how to use Excel for discounting and simple benefit-cost analysis, as well as Excel example of discounting: <u>Present value example.xlsx</u> \downarrow (https://canvas.uw.edu/courses/1609052/files/93335640/download?download_frd=1)

Optional (more advanced): an example of how uncertainty may lead us to discount at low rates: an example of averaging discount factors, not discount rates. See M. Weitzman, "Risk-Adjusted Gamma Discounting," Journal of Environmental Economics and Management, 60, 1-13 (2010). weitzman discounting.xlsx \downarrow (https://canvas.uw.edu/courses/1609052/files/93335663/download? download_frd=1)

13. Benefit-cost analysis. Choosing projects.

Breakout questions:

- All other things being equal, the higher the discount rate used, the (higher/lower) is the present value.
- The present value of \$80,000 in 10 years (T=10), using a real discount rate of 4% (r=0.04) is:

× <u>(%24CANVAS_OBJECT_REFERENCE%24/quizzes/g095986391485d273d85ae03d60465a4e)</u>

• The net present value of a project which costs 100 million at time 0, yields 50 million in benefits in 5 years (T=5) and then another 150 million in benefits in 50 years (T=50) is, assuming a 5% discount rate (r=0.05):

Read: Ch. 7 HR

<u>Notes</u>

14. Economics of natural resources I. Nonrenewables.

Read: Ch. 5 HR; Ch. 17 HR

Notes: <u>dynamic_efficiency_hotelling_nonrenewables_shorter.pptx</u>

15. Economics of natural resources II: Resources that grow: forests, fisheries.

Forestry:

https://www.conservation-strategy.org/csf-economic-video/intro-forestry-economics _(https://www.conservation-strategy.org/csfeconomic-video/intro-forestry-economics) (~ 5 min)

https://www.conservation-strategy.org/csf-economic-video/forestry-economics-optimal-rotation-age-part-1 (https://www.conservation-strategy.org/csf-economic-video/forestry-economics-optimal-rotation-age-part-1) (~ 12 min) -- part 2 is more technical so part 1 will suffice

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https://www.conservation-strategy.org/csf-e	conomic-video/forestry-economics-forest-policy	<u>(https://www.conservation-</u>
strategy.org/csf-economic-video/forestry-econom	<u>nics-forest-policy) (</u> ~ 5 min)	
Fisheries (also can see notes below with more	on the bioeconomic model of fisheries)	
https://www.conservation-strategy.org/csf-e	<u>conomic-video/fisheries-economics-policy-intro-fi</u>	<u>sheries-management</u>
(https://www.conservation-strategy.org/csf-econd	<u>omic-video/fisheries-economics-policy-intro-fisheries-m</u>	<u>aanagement) (</u> ~ 5 min)
https://www.conservation-strategy.org/csf-e	conomic-video/fisheries-economics-policy-maxim	um-economic-yield
(https://www.conservation-strategy.org/csf-econe	omic-video/fisheries-economics-policy-maximum-econo	o <mark>mic-yield</mark>) (~ 15 min)
Suggested Reading: Ch. 16, 18, 19 HR		
Notes: <u>renewables.pptx</u>		
May also be helpful: from HR, Ch. 19		
forest_rotationHR_1.jpg ↓ (https://canvas.uw.	edu/courses/1609052/files/93335621/download?download_1	frd=1) forest_rotationHR_2.jpg
(https://canvas.uw.edu/courses/1609052/files/93335	519/download?download_frd=1)	
16. Economic growth and the environment;	sustainability; empirical indicators of sustainabilit	.y
Read: Ch. 2, 10 , 22 HR		
Notes for presentation: econ_sustainability.pp	<u>tx</u>	
Also helpful: Ch. 18 BH., Ch. 19 BH		
http://www.oecdbetterlifeindex.org/#/111111	1111 (http://www.oecdbetterlifeindex.org/#/11111111	<u>11)</u>
Final exam (July 20).		

Diversity and Inclusion

The College of the Environment supports an inclusive learning environment where diverse perspectives are recognized, respected, and seen as a source of strength. In this course, we will strive to create an environment of free, honest, and respectful conversation where everyone feels included and engaged regardless of their social and cultural backgrounds.

Disability Accommodations

To request academic accommodations due to a disability, please contact Disability Resources for Students (<u>http://depts.washington.edu/uwdrs/ (http://depts.washington.edu/uwdrs/)</u>)

Academic Integrity:

At the University level, passing anyone else's scholarly work as your own, without proper attribution, is considered academic misconduct.

Plagiarism, cheating, and other misconduct are serious violations of the University of Washington <u>Student Conduct Code (WAC 478-120) (http://www.washington.edu/students/handbook/conduct.html)</u>. We expect that you will know and follow the university's policies on cheating and plagiarism. Any suspected cases of academic misconduct will be handled according to University of Washington regulations. For more information, see the College of the Environment <u>Academic Misconduct Policy</u> (<u>http://environment.uw.edu/wp-content/uploads/2013/05/Academic-Misconduct-Policy.pdf</u>) and the University of Washington <u>Community Standards and Student</u> <u>Conduct website (http://www.washington.edu/cssc/)</u>.

Religious accommodation.

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ficant hardship due to reasons of it how to request du/staffandfaculty/religiousaccommodations-policy/) (https://registrar.washington.edu/staffandfaculty/religious-accommodations-policy/). Accommodations must be requested within the first two weeks of this course using the <u>Religious Accommodations Request form</u> (https://registrar.washington.edu/students/religious-accommodations-request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar.washington.edu/students/religious-accommodations/request/) (https://registrar

Course Summary:

Date	Details	Due
Tue Jun 21, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788647&include_contexts=course_1609052)	1pm to 3:30pm
Wed Jun 22, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788648&include_contexts=course_1609052)	1pm to 3:30pm
Thu Jun 23, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788649&include_contexts=course_1609052)	1pm to 3:30pm
Mon Jun 27, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788650&include_contexts=course_1609052)	1pm to 3:30pm
	Quiz 1 (https://canvas.uw.edu/courses/1609052/assignments/7445124)	due by 3:59pm
Tue Jun 28, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788651&include_contexts=course_1609052)	1pm to 3:30pm
Wed Jun 29, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788652&include_contexts=course_1609052)	1pm to 3:30pm
Thu Jun 30, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788653&include_contexts=course_1609052)	1pm to 3:30pm
Fri Jul 1, 2022	Homework Assignment 1 (https://canvas.uw.edu/courses/1609052/assignments/7445125)	due by 11:59pm
Sun Jul 3, 2022	Quiz 2 (https://canvas.uw.edu/courses/1609052/assignments/7445126)	due by 11:59pm
Mon .lul 4 2022	ECON 235 A Su 22: Introduction To Environmental Economics Resetting the test student will clear all history for this student, allowing	1pm to 3:30pm
^{bo} into Student View	you to view the course as a brand new student.	

6/29/22, 3:47 PM	Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics	
Date	Details	Due
Tue Jul 5, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788655&include_contexts=course_1609052)	1pm to 3:30pm
Wed Jul 6, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788656&include_contexts=course_1609052)	1pm to 3:30pm
Thu Jul 7, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788657&include_contexts=course_1609052)	1pm to 3:30pm
Mon Jul 11, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788658&include_contexts=course_1609052)	1pm to 3:30pm
	Homework Assignment 2 (https://canvas.uw.edu/courses/1609052/assignments/7445129)	due by 11:59pm
Tue Jul 12, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788659&include_contexts=course_1609052)	1pm to 3:30pm
Wed Jul 13, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788660&include_contexts=course_1609052)	1pm to 3:30pm
Thu Jul 14, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788661&include_contexts=course_1609052)	1pm to 3:30pm
	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788662&include_contexts=course_1609052)	1pm to 3:30pm
Mon Jul 18, 2022	Homework Assignment 3 (https://canvas.uw.edu/courses/1609052/assignments/7445132)	due by 11:59pm
	Non-market valuation (https://canvas.uw.edu/courses/1609052/assignments/7445123)	due by 11:59pm
Tue Jul 19, 2022	ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788663&include_contexts=course_1609052)	1pm to 3:30pm
Wed Jul 20, 202260You are currently loggedinto Student View	ECON 235 A Su 22: Introduction To Resetting the test student will clear all history for this student, allowing you to view the course as a brand new student.	1pm to 3:30pm

22, 3:47 PM Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics	
Details	Due
Homework Assignment 4 (https://canvas.uw.edu/courses/1609052/assignments/7445133)	due by 11:59pm
ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788665&include_contexts=course_1609052)	1pm to 3:30pm
	Syllabus for ECON 235 A Su 22: Introduction To Environmental Economics Details M Homework Assignment 4 (https://canvas.uw.edu/courses/1609052/assignments/7445133) ECON 235 A Su 22: Introduction To Environmental Economics (https://canvas.uw.edu/calendar? event_id=2788665&include_contexts=course_1609052)

60 You are currently logged into Student View

Resetting the test student will clear all history for this student, allowing you to view the course as a brand new student.

Reset Student

Leave Student View