



# Course Intro: Why Do We Care About Internet Policy?

CYBR 4400 / 5400: Principles of Internet Policy, Lecture 1-1

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# Who Are These People?

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# Why Do We Care About Internet Policy?

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Facebook Privacy

Net Neutrality Repeal and Significant Negative Reaction

Chairman Pai's Response

# Importance of These Problems

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- ❖ Internet policy global in context, local in impact
- ❖ Impact the culture and economic development strategies of nations, states, and municipalities (and now even the development of our personalities?)
- ❖ Determine market opportunities and services of corporations (i.e., impact your career plans)
- ❖ Understanding of policy issues, and decision-making framework for arguing positions, essential for your own career

# My Background

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- ❖ Federal Communications Commission
  - ❖ Personal Communications Services
  - ❖ Spectrum Auctions
  - ❖ Telco/Cable Competition
- ❖ CableLabs
  - ❖ DOCSIS
  - ❖ R&D and Project Incubation
  - ❖ Strategic Planning



# My Background (cont'd)

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- ❖ Research interests as a “policy wonk”
- ❖ Network Economics of Broadband Networks
- ❖ Spectrum Management
- ❖ Telecom Policy
- ❖ Cybersecurity Policy



# Your Introductions (a.k.a. Ice Breaker)

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- ✿ First name (that you like to be called in class)
- ✿ Home town
- ✿ Favorite pet
- ✿ What you would most like to learn from class?

**Distance Students: Send me an email with your answers before next class!**

# Course Expectations

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# Course Learning Goals

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Policy Understanding	Describe core problems and policies impacting telecommunications and the Internet
Analytical Review	Apply interdisciplinary framework to critically evaluate past and current policy initiatives
Writing and Verbal Skills	Write and articulate clear, well-reasoned positions on current policy issues and debates

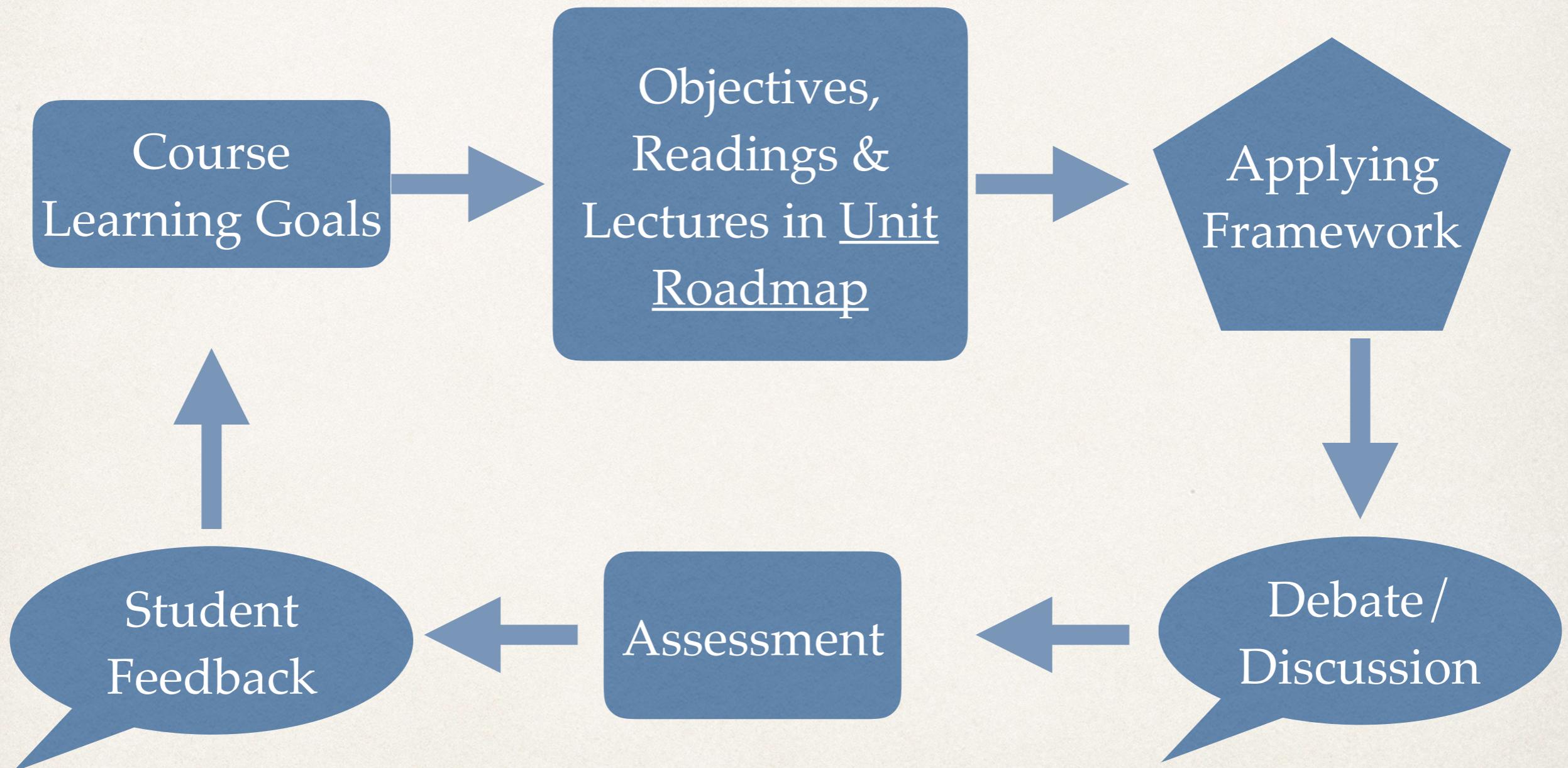
# 6 Interdisciplinary Units



<b>Unit 1</b>	Reasons to Regulate Information and Communications Services
<b>Unit 2</b>	Achieving Broadband Universal Service through National Broadband Plans
<b>Unit 3</b>	Using Network Neutrality and Interconnection to Insure Access to the Internet
<b>Unit 4</b>	Spectrum Management: Allocation of a Scarce Resource
<b>Unit 5</b>	Privacy on the Internet
<b>Unit 6</b>	Cybersecurity in Crisis: Information and Internet Security

# Course Structure

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# What to Expect?

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- ❖ Gain deep understanding how the Web is impacted by public policy from interdisciplinary view
- ❖ Current and proposed laws and regulations
- ❖ Technological foundation
- ❖ Classic microeconomics
- ❖ Relationship between business models and regulation
- ❖ Policy commentary and discussions

# General Class Schedule

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- ✿ 4-6 lectures per unit
- ✿ Unit Roadmap posted first day of unit with class objectives
- ✿ Course Summary in Canvas contains daily calendar of lecture topics and reading assignments
- ✿ All homework for unit due at start of first lecture for the *next* unit (at 9:00 am)

# Lines of Communication

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- ✿ Look for announcements or course emails from me using Canvas
- ✿ Will respond to emails regarding course within 24 hours
- ✿ My Office Hours (ECOT 612): 1 pm - 5 pm Wednesdays or by appointment

# Grading By Section

	CYBR 4400	CYBR 5400	CYBR 5400B
Unit Homework Assignments	20%	20%	20%
Reading Reviews	0%	10%	10%
Online Discussions	10%	0%	10%
Class Participation (Quizzes?)	10%	10%	0%
Midterm	20%	20%	20%
Project Paper* & Presentations	20%	20%	20%
Final	20%	20%	20%

No textbook required for the course

# Final Course Grading Scale

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Grade	Range
A	100 % to 93.0%
A-	< 93.0 % to 90.0%
B+	< 90.0 % to 87.0%
B	< 87.0 % to 83.0%
B-	< 83.0 % to 80.0%
C+	< 80.0 % to 77.0%
C	< 77.0 % to 73.0%
C-	< 73.0 % to 70.0%
D+	< 70.0 % to 67.0%
D	< 67.0 % to 63.0%
D-	< 63.0 % to 60.0%
F	< 60.0 % to 0.0%

If necessary, a curve is applied to final grades

# On-Line Discussion Forum (Using Canvas Platform)

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	Original Postings Per Unit	Reply Postings Per Unit
In-class 4400	1	1
Distance 5400	2	2

- Goal: create well-supported debate utilizing framework concepts
- Avoid “shooting from the hip”, take time to research position
- 10 points per topic
- Draw upon and cite at least one outside source for every posting
- Always respect your classmates and follow proper netiquette

# Class Participation



- ✿ Your responsibility
- ✿ Use electronic devices only for note taking
  - ✿ Strongly suggest you create course notebook for lecture and reading notes to study for exams
  - ✿ Posted lecture slides often leave out key details
- ✿ Class is a *conversation*, not a *dictation*

*Class Discussion* opportunities arise during lectures to gain class participation points!

# Class Participation Grading for In-class Students

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Frequency of Comments in Class	Percent of Grade for CYBR 5400	Percent of Grade for CYBR 4400
“Frequent”	10%	10%
“Occasional”	8%	8%
“Seldom”	6%	6%
“Very rare”	4%	4%
“Never”	0%	0%

Will update grades after each Unit

# Homework Assignments

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- ✿ Homework due dates provided on Assignment on Canvas
- ✿ Late policy: 50% of credit if submitted within 24 hours of due date
- ✿ Grading Rubric:

Scoring	Comment on Problem Answer
25	Proficient: Fully answered each question with clear grammar, correct knowledge and explanation of work.
20	Partially Proficient: Answer to each question is not fully explained or correct, some grammatical errors.
10	Incomplete: Answer to most questions fail are incorrect or incomplete, significant grammatical errors.

# Class Projects

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- ✿ Group project on a topic related to the course — applying interdisciplinary analysis to generate policy recommendations
- ✿ Topic you select based upon list of options or your idea (with instructor approval)
- ✿ Course Schedule will include dates for:
  - ✿ Submitting project preferences
  - ✿ Interim status reports
  - ✿ Final presentations and final papers
- ✿ No page limit

# Exams

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- ✿ Midterm projected to be in early March on Units 1-3
- ✿ Note date of final exam!!!
  - ✿ Monday, May 4, 4:30 pm

# Academic Integrity Policy

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- ✿ Three class rules to follow on homework
  - (I) Never plagiarize - everything is checked
  - (II) Never allow a student to view your own work
  - (III) 48-hour “regret” rule
    - ✓ No credit only for assignment, otherwise failing grade in the class
- ✿ Any discrepancies on quizzes given on Canvas will result in failing grade in the class

# Student Mailbox

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- ✿ Prefer to open classes with current event (videos most popular)
- ✿ Please email to me any interesting short videos / articles on policy topics relevant to class that I can use!
  - ✿ If used, can be counted for class participation grade as it does show interest in the course topics!

# Closing

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- ✿ Snowden statement