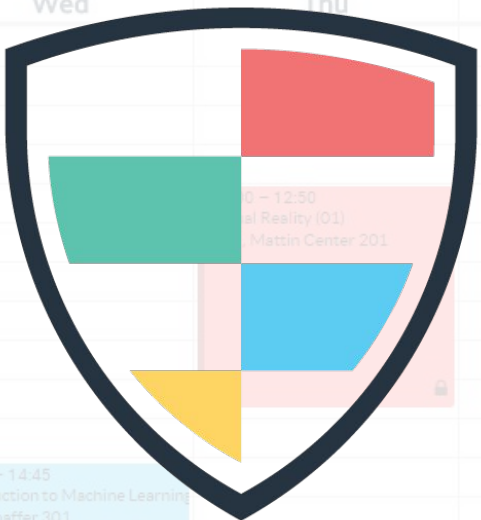


	Mon	Tue	Wed	Thu	Fri
8:00					
9:00					
10:00				10:00 - 12:50 Visual Reality (01) Mattin Center 201	
11:00					
12:00					
13:00					
14:00	13:30 - 14:45 Introduction to Machine Learning 4 👤, Shaffer 301		13:30 - 14:45 Introduction to Machine Learning 4 👤, Shaffer 301		
15:00		15:00 - 16:15 Knowledge Discovery from Text 1 👤, Hackerman 320		15:00 - 16:15 Knowledge Discovery from Text 1 👤, Hackerman 320	
16:00					
17:00		16:30 - 18:00 Computer Science Innovation and Entrepreneurship 6 👤, Malone 107		16:30 - 18:00 Computer Science Innovation and Entrepreneurship 6 👤, Malone 107	
18:00		18:15 - 21:00 Law and the Internet (01)			



# Semester.ly

## Mid-Semester Presentation

Senior Fall!!!!!!!

18.00 credits  
Average Course Rating ★★★★★

Current Courses Find new friends

ProTip: use 🔒 to lock a section in place

AS.371.149  
Visual Reality  
D. Bakker  
3 credits

EN.600.475  
Introduction to Machine Learning  
M. Dredze  
3 credits

EN.660.311  
Law and the Internet  
D. Sandhaus  
3 credits

EN.660.410  
Computer Science Innovation and Entrepreneurship  
L. Aronhime  
3 credits

EN.660.501  
Practicum in Entrepreneurship and Management  
Professor Unlisted  
3 credits

EN.600.365  
Knowledge Discovery from Text  
T. Lippincott, B. Van Durme  
3 credits

Optional Courses

# What is Semester.ly?

Semester.ly Fall 2016 Searching Fall 2016 Advanced Search

	Mon	Tue	Wed	Thu	Fri
8:00					
9:00					
10:00				10:00 – 12:50 Visual Reality (01) 2 Mattin Center 201	
11:00					
12:00					
13:00					
14:00	13:30 – 14:45 Introduction to Machine Learning 4 Shaffer 301		13:30 – 14:45 Introduction to Machine Learning 4 Shaffer 301		
15:00		15:00 – 16:15 Knowledge Discovery from Text 1 Hackerman 320		15:00 – 16:15 Knowledge Discovery from Text 1 Hackerman 320	
16:00		16:30 – 18:00 Computer Science Innovation and 6 Malone 107		16:30 – 18:00 Computer Science Innovation and 6 Malone 107	
17:00					
18:00					
19:00		18:15 – 21:00 Law and the Internet (01) 3 Hooson 315			
20:00					
21:00					

Senior Fall!!!!!!

18.00 credits  
Average Course Rating ★★★★★

Current Courses Find new friends

ProTip: Use to lock a section in place

AS.371.149 Visual Reality  
2 Bakker 3 credits

EN.600.475 Introduction to Machine Learning  
M Dredze 3 credits

EN.660.311 Law and the Internet  
D Sandhaus 3 credits

EN.660.410 Computer Science Innovation and Entre...  
L Aronhime 3 credits

EN.660.501 Practicum in Entrepreneurship and Man...  
Professor Unlisted 3 credits

EN.600.365 Knowledge Discovery from Text  
T Lippincott, B. Van Durme 3 credits

Optional Courses

Give Optional Courses a Spin!  
Load this list with courses you aren't 100% sure you want to take - we'll fit as many as possible, automatically!

Textbooks

CyberLaw for Kids  
Required

Data last updated: 2016-08-21 03:41 EDT

Contact us Feedback Facebook Like 640

Senior Fall!!!!!!

18.00 credits  
Average Course Rating ★★★★★

Current Courses Find new friends

ProTip: use to lock a section in place

## Introductory Programming in Java

EN.600.107, EN Computer Science

3  
credits

Average Course Rating ★★★★★

Prerequisites

Students who have taken EN.600.111 may not register for EN.600.107.

Areas

E

Friends In This Course

- Neha Onteeru
- Jesse Miller
- Max Yeo

Reactions

Check out your classmate's reactions - click an emoji to add your own opinion!



Course Description

This course introduces fundamental structured and object-oriented programming concepts and techniques, using Java, and is intended for all who plan to use computer programming in their studies and careers. Topics covered include variables, arithmetic operators, control structures, arrays, functions, recursion, dynamic memory allocation, files, class usage and class writing. Program design and testing are also covered, in addition to more advanced object-oriented concepts including inheritance and exceptions as time permits.

Course Evaluations



Fall 2012 Professor: Joanne Selinski ★★★★★ (4.18)

Students said this course provides a good introduction to programming. They enjoyed the hands-on assignments and liked the satisfaction of getting to use their skills right away. The homework was very difficult, and the difficulty was inconsistent from week to week. Some students also said that the lectures were dry and that the TAs didn't have enough time for everyone's questions. They suggested having shorter lectures and more lab-type projects for hands-on practice. Overall, students said this is a good introductory course meant for beginners. It can be quite challenging, so students should make sure to keep up with the work.



3 credits

# The Problem

A solid red shape at the bottom of the slide, consisting of a central downward-pointing triangle and two upward-pointing triangles on either side, creating a jagged, mountain-like silhouette.

# The Problem



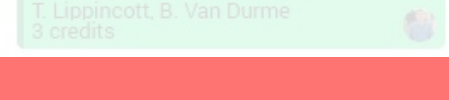






Senior Fall!!!!!!!

18.00  
creditsAverage Course Rating  
★★★★☆

Current Courses

Find new friends

- **Advising is time-consuming for both students and advisors**
  - 80% of students have some significant issue with the advising process
- **Student's aren't receiving the support they need**
  - 40% of students state that their advisors don't give them helpful advice or information



# Our Findings - From Students

- **Semester.ly can help streamline the advising process**
  - 91.3% of students stated that they would like to easily **share their schedules with their advisors** via Semester.ly
  - 96% of students stated that they would like some type of **degree planning feature** on Semester.ly
  - 70% of students stated that they would like a **chat or comment system** with their advisors on Semester.ly

# Our Findings - From Advisors

- “Students are not always proactive in **lining up their course** choices, or tracking their progress”
- “Students **chang[e] their course selections** after their advising meeting and [don’t check] with their advisor to make sure their new courses **meet their requirements**”
- “[Planning with] the advising spreadsheet and a lot of emails [is] very **cumbersome**”

Senior Fall!!!!!!!

18.00  
creditsAverage Course Rating  
★★★★☆

Current Courses

Find new friends

Add to my place

AS 371 149  
Visual Reality  
D. Bakker  
3 creditsEN 600 475  
Introduction to Machine Learning  
3 creditsEN 600 475  
Introduction to Machine Learning  
3 creditsComputer Science Innovation and Entre...  
L. Aronhime  
3 creditsProfessor Unlisted  
3 creditsEN 600 365  
Knowledge Discovery from Text  
T. Lippincott, B. Van Durme  
3 credits

# The Solution



## Four Year Plan



Year 1	Year 2	Year 3	Year 4
<b>Fall 2019</b>	<b>Fall 2020</b>	<b>Fall 2021</b>	<b>Fall 2022</b>
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
<b>Interession 2020</b>	<b>Interession 2021</b>	<b>Interession 2022</b>	<b>Interession 2023</b>
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience		
AS.050.236 (01) Neuroscience			
AS.050.236 (01) Neuroscience			
<b>Spring 2020</b>	<b>Spring 2021</b>	<b>Spring 2022</b>	<b>Spring 2023</b>
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience
AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience	AS.050.236 (01) Neuroscience

Current Planned Degree

### Planned Four Year Summary

Engineering (E)	29
Natural Sciences (N)	14
Quantitative Studies (Q)	24
Humanities (H)	27
Social & Behavioral Sciences (S)	15
Writing Intensive	3
CS Core	17
CS Upper Level	12
CS Other	6
Mathematics	24
Foreign Language	26
<b>Total Credits</b>	<b>109</b>

Click into to me to see the other views!

### My Personal Chat

So I can just type in here and it'll save what I write, isn't that neat?

I should also be able to upload files into here - it's kind of like how Zoom or Slack have their channel for yourself so that you can store whatever you need.

No one else can see your personal chat, but for the sake of filling the space here, this is what another user in the chat might look like.

Interested Courses.docx



























Reminder: Course registration for Spring 2021 starts on November 12, 15, 18, and 21 for seniors, juniors, sophomores, and freshman respectively.

### My Students

\*Advising hold not yet released


Name	JHED	Major	Year	Options
 James S. Wang*	jwang380	Computer Science	2023	   A 4
James S. Wang*	jwang380	Computer Science	2023	   A 4
James S. Wang*	jwang380	Computer Science	2023	   A 4
James S. Wang*	jwang380	Computer Science	2023	   A 4
James S. Wang	jwang380	Computer Science	2023	   A 4
James S. Wang	jwang380	Computer Science	2023	   A 4
James S. Wang	jwang380	Computer Science	2023	   A 4

### Recent Chats

- James Wang
- Student 2
- Student 3
- Student 4
- Student 5
- Student 6

whatever you need.

No one else can see your personal chat, but for the sake of filling the space here, this is what another user in the chat might look like.

 Interested Courses.docx

friends

ace

entre...

lan...



8:0  
9:0  
10:0  
11:0  
12:0  
13:0  
14:0  
15:0  
16:0  
17:0  
18:0

	Mon	Tue	Wed	Thu	Fri
8:00					08:00 – 08:50 General Physics:Physical Sci... (01) Bloomberg 464
9:00	09:00 – 09:50 Introductory Chemistry I (01) 1 🧑, Remsen Hall 1	09:00 – 10:15 Foundations of Brain, Behavi... (01) Mudd 26	09:00 – 09:50 Introductory Chemistry I (01) 1 🧑, Remsen Hall 1	09:00 – 10:15 Foundations of Brain, Behavi... (01) Mudd 26	09:00 – 09:50 Introductory Chemistry I (01) 1 🧑, Remsen Hall 1
10:00	10:00 – 10:50 Calculus I (Biology and Socia... (01) Levering Arellano	10:30 – 11:45 General Physics:Physical Sci... (01) Bloomberg 272	10:00 – 10:50 Calculus I (Biology and Socia... (01) Levering Arellano	10:30 – 11:45 General Physics:Physical Sci... (01) Bloomberg 272	10:00 – 10:50 Calculus I (Biology and Socia... (01) Levering Arellano
11:00					
12:00					
13:00				1:30 – 4:00 Social Ecology (01) Mergenthaler 439	
14:00					
15:00					
16:00		4:30 – 5:20 Calculus I (Biology and Socia... (01) Maryland 309			
17:00					
18:00					

### Course Planning

#### Computer Science

Distribution Requirements (KSAS)

- ▶ Humanities 9.0/9.0
- ▶ Social Science 6.0/9.0
- ▶ NS/Q/E 9.0/9.0

Degree Requirements

- ▼ Computer Science 14.0/32.0
  - ▶ Gateway Computing: JAVA 3.0
  - ▶ Intermediate Programming 4.0
  - ▶ Data Structures 4.0
  - ▶ CSF 3.0
  - ▶ [Unlabeled] 4.0
  - ▶ [Unlabeled] 4.0

# The Minimum Viable Product

- MVP Mock Up  
(refer to other presentation slides on website)

	Mon	Tue	Wed	Thu	Fri
8:00					
9:00					
10:00					
11:00					
12:00					
13:00					
14:00	13:30 - 14:45 Introduction to Machine Learning 4 📍 Snaffer 301		13:30 - 14:45 Introduction to Machine Learning 4 📍 Snaffer 301		
15:00		15:00 - 16:15 Knowledge Discovery from Text 1 📍 Hackerman 320		15:00 - 16:15 Knowledge Discovery from Text 1 📍 Hackerman 320	
16:00		16:30 - 18:00 Computer Science Innovation and 6 📍 Malone 107		16:30 - 18:00 Computer Science Innovation and 6 📍 Malone 107	
17:00					
18:00					

Senior Fall!!!!!!!

18.00













(credits)

Average Course Rating



Current Courses

Find new friends

AS 371 149 Visual Reality D. Bakker 3 credits	 
EN 600 475 Introduction to Machine Learning M. Dredze 3 credits	 
EN 680 311 Law and the Internet D. Sandhaus 3 credits	 
EN 660 410 Computer Science Innovation and Entre... L. Aronhime 3 credits	 
EN 660 501 Practicum in Entrepreneurship and Man... Professor Unlisted 3 credits	 
EN 600 365 Knowledge Discovery from Text T. Lippincott, B. Van Durme 3 credits	 

# Backend Design

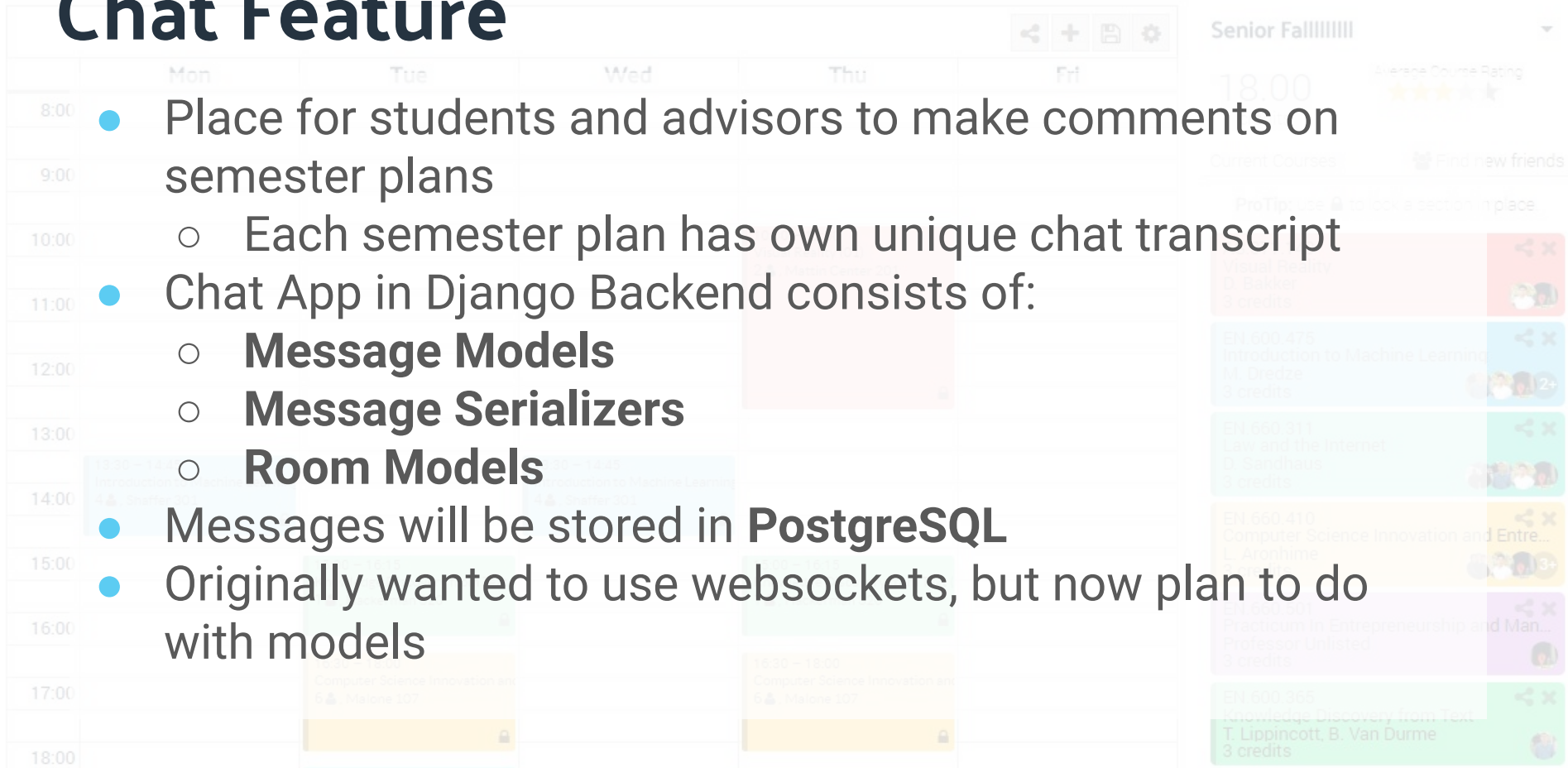


# API Design

- Have to pass the SIS ID in the HTTP request and get the information from there.
  - **student info**
  - **non-primary major(s)**
  - **minor(s)**
  - **advisors' info**
  - **all courses (including current and previous courses)**
- It took a few iterations, but we finally arrived on this
  - [Sample Student API Layout](#)

# Chat Feature

- Place for students and advisors to make comments on semester plans
  - Each semester plan has own unique chat transcript
- Chat App in Django Backend consists of:
  - **Message Models**
  - **Message Serializers**
  - **Room Models**
- Messages will be stored in **PostgreSQL**
- Originally wanted to use websockets, but now plan to do with models



The screenshot shows the Semester.ly interface. On the left is a course schedule grid with columns for days (Mon-Fri) and rows for times (8:00-18:00). On the right is a sidebar for a 'Senior Fall' semester, displaying a list of courses with details like course ID, title, instructor, and credits. The chat feature is overlaid on the grid, showing a list of chat rooms for each course.

**Current Progress...**

A large, solid yellow shape occupies the bottom half of the slide. It has a jagged, mountain-like top edge with a central dip, and tapers to a point at the bottom center.

# Chat Feature

- Rough flowchart for how the messaging system will work:
  - When someone sends a message, it needs to go to 2 places:
    - Backend for **storage**
    - Frontend for **display**

Welcome!

What's your major?  
Anthropology

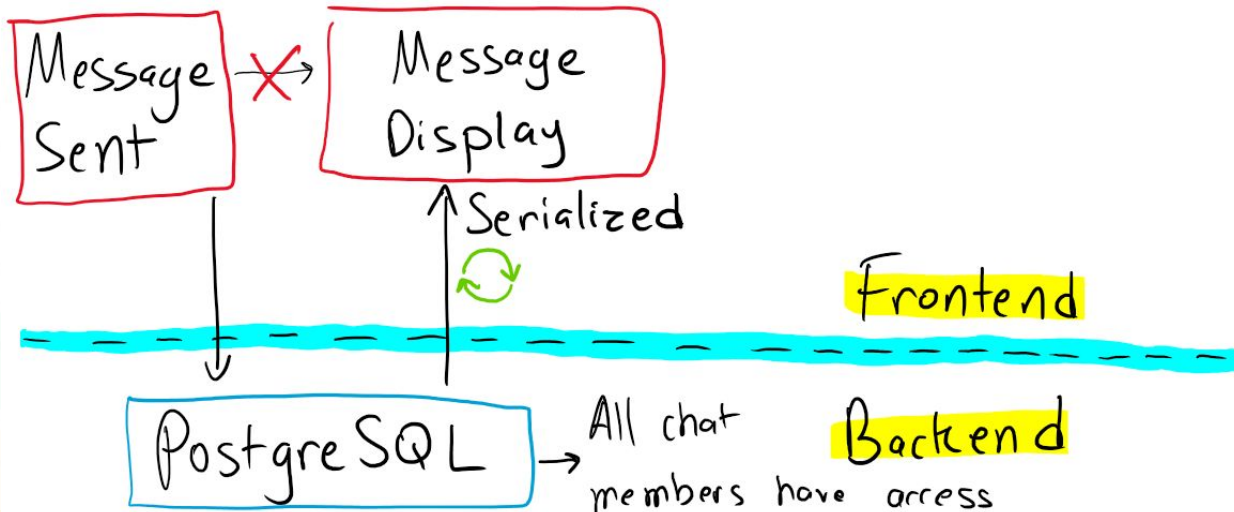
What's your graduating class year?  
2019

Would you like to find classes with friends?  
See which Facebook friends will be your classmates! Only friends in your course will see your name.

Would you like to find sections with friends?  
See which Facebook friends will be in your section! Only friends in your section will see your name.

Find new friends in your classes!  
Find your peers for this semester. All students in your courses will be able to view your name and public Facebook profile.

Notifications





# Issues so far...

- JHU Authentication
- Django 1.9.2
- Python 2.7
  
- Microsoft-Django-Auth 2.3.1
- Python-Social-Auth 0.2.19
  - Social-Core 3.4.0
  
- Was it necessary?



A screenshot of the Johns Hopkins Enterprise Authentication (JHED) login page. The page has a blue header and a white login form. The form includes a lock icon, the text 'JOHNS HOPKINS ENTERPRISE AUTHENTICATION', a link for 'First Time JHED Users Click Here', input fields for 'Login ID:' and 'Password:', a 'Login' button, a 'Forgot Password?' link, and a 'Full Version' link. At the bottom, there is a note: 'Use of the Johns Hopkins Enterprise Directory (JHED)'.

Senior Fall!!!!!!!

18.00  
creditsAverage Course Rating  
★★★★☆

# What's Next?



Senior Fall!!!!!!!

18.00  
creditsAverage Course Rating  
★★★★☆

Current Courses

Find new friends

ProTip: Use 🔍 to look a section in place

AS 371 149  
Visual Reality  
D. Bakker  
3 creditsEN 600 475  
Introduction to Machine Learning  
3 creditsEN 600 311  
Law and the Internet  
D. Sandhaus  
1 creditsEN 600 475  
Introduction to Machine Learning  
3 creditsEN 600 501  
Practicum in Entrepreneurship and Man...  
Professor Unlisted  
3 creditsEN.600.365  
Knowledge Discovery from Text  
T. Lippincott, B. Van Durme  
3 credits

- Get **Frontend** components ready
- Get **Chat Feature** working
- Get **SIS course data** displaying
- Finalize **JHED Authentication**
- Finalize **Notifications System** (i.e. emails and in-app)
- We still have many questions we need to answer
  - Ex. - How to differentiate signing up for Advisors vs. Students?

	Mon	Tue	Wed	Thu	Fri
8:00					
9:00					
10:00				10:00 - 12:50 Visual Reality (01) Mattin Center 201	
11:00					
12:00					
13:00					
14:00	13:30 - 14:45 Introduction to Machine Learning 4 👤, Shaffer 301		13:30 - 14:45 Introduction to Machine Learning 4 👤, Shaffer 301		
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16:00					
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18:00		18:15 - 21:00 Law and the Internet (01)			



**Thank You!**

Senior Fall!!!!!!

18.00  
credits

Average Course Rating  
★★★★☆

Current Courses

Find new friends

ProTip: use to lock a section in place

AS.371.149  
Visual Reality  
D. Bakker  
3 credits

EN.600.475  
Introduction to Machine Learning  
M. Dredze  
3 credits

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L. Aronhime  
3 credits

EN.660.501  
Practicum in Entrepreneurship and Man...  
Professor Unlisted  
3 credits

EN.600.365  
Knowledge Discovery from Text  
T. Lippincott, B. Van Durme  
3 credits

Optional Courses