

Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment



 Registrar's Office

What does the MIT Registrar's Office do?





**2,968 diplomas
distributed at
Commencement**

MIT | Registrar's Office



Killian Court ©2009, Christopher Harting

MIT Subject Listing & Schedule IAP / Spring 2019

- Course 1 - Civil and Environmental Engineering
- Course 2 - Mechanical Engineering
- Course 3 - Materials Science and Engineering
- Course 4 - Architecture
- Course 5 - Chemistry
- Course 6 - Electrical Engineering and Computer Science
- Course 7 - Biology
- Course 8 - Physics
- Course 9 - Brain and Cognitive Sciences
- Course 10 - Chemical Engineering
- Course 11 - Urban Studies and Planning
- Course 12 - Earth, Atmospheric, and Planetary Sciences
- Course 14 - Economics
- Course 15 - Management
- Course 16 - Aeronautics and Astronautics
- Course 17 - Political Science
- Course 18 - Mathematics
- Course 20 - Biological Engineering
- Course 21 - Humanities
 - Anthropology (21A)
 - Comparative Media Studies (CMS) | Writing (21W)
 - Global Studies and Languages (21G)
 - History (21H)
 - Literature (21L)
 - Music and Theater Arts (21M)
 - Women's and Gender Studies (WGS)
- Course 22 - Nuclear Science and Engineering
- Course 24 - Linguistics and Philosophy
- CC - Concourse Program
- CSB - Computational and Systems Biology
- EC - Edgerton Center
- EM - Engineering Management
- ES - Experimental Study Group
- HST - Health Sciences and Technology
- IDS - Institute for Data, Systems and Society
- MAS - Media Arts and Sciences
- SCM - Supply Chain Management
- ROTC - Aerospace Studies (AS) | Military Science (MS) | Naval Science (NS)
- STS - Science, Technology, and Society
- SWE - Engineering School-Wide Electives
- Special Programs

Subject Search

- with the **exact phrase**
- with **all** of the words
- Professor **last** name
- Prereq/Coreq
- Whole words only

Or try the **Advanced Search**

(to search by keyword, time, term, level, units, and/or GIR)

Archived Subject Listings

Fall 2018 **IAP/Spring 2018**

**We work with
40 academic
departments &
units to manage
5,165 subjects.**

MIT | **Registrar's Office**



MIT Registrar's Office is 😊 feeling thankful.

Published

February 4 at 10:06 AM · 🌐

It's Registration Day, which fortunately no longer includes standing in long lines in the gym! After meeting with your advisor, go to <http://registration.mit.edu> to finalize your subjects for the spring.



45,332

People Reached

2,550

Engagements

Boost Post

👍❤️ José Vinícius Silva Gomes, 張令恂 and 35 others 2 Comments 22 Shares

👍 Like

💬 Comment

➦ Share



 Registrar's Office



Stat check

- a. **45,000** people reached by Facebook post
- b. **2,968** diplomas distributed at Commencement
- c. **5,165** subjects we help manage



AT THE MIT REGISTRAR'S OFFICE, we partner with students, alumni, faculty, and staff to promote excellence through curriculum innovation, community-building, secure and accurate academic information, and a robust and responsive registration infrastructure.



Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment




 Registrar's Office

The experiment



MIT News
ON CAMPUS AND AROUND THE WORLD

Browse or Search



FULL SCREEN

Students presented their findings at a science fair held during the spring 2018 Designing the First-Year Experience course.
Photo: M. Scott Brauer

Creating a more flexible first-year experience at MIT

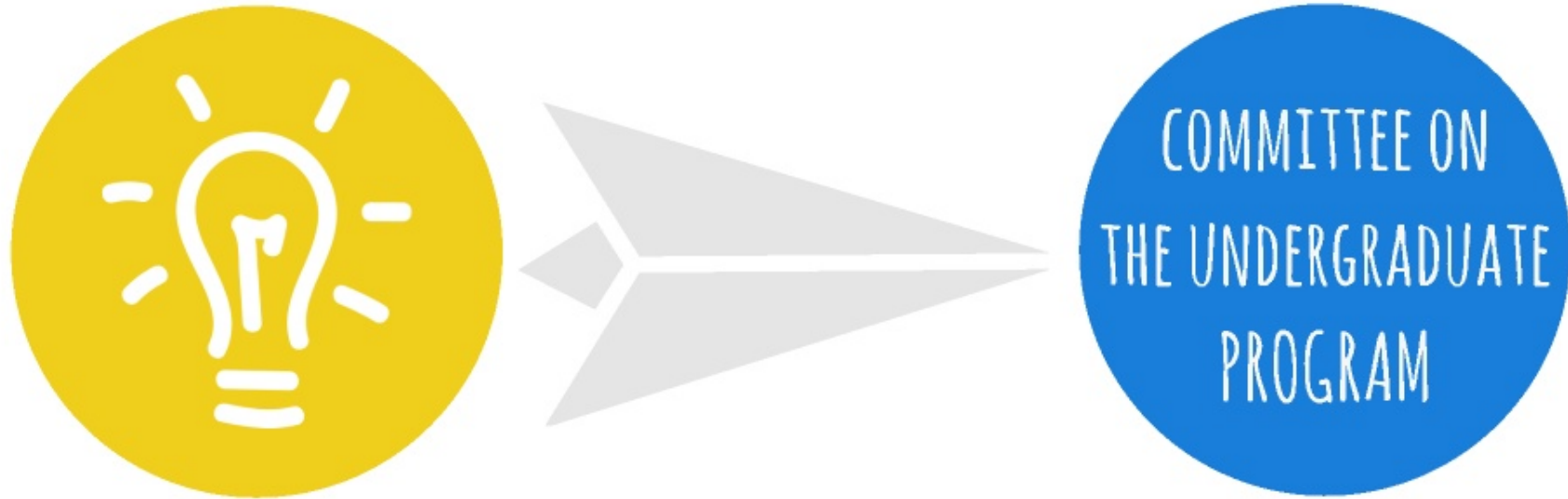
A Class of 2022 experiment aims to enhance opportunities for students to explore majors, minors, and other interests.

Elizabeth Durant | Office of the Vice Chancellor
December 12, 2018

Press Inquiries RELATED

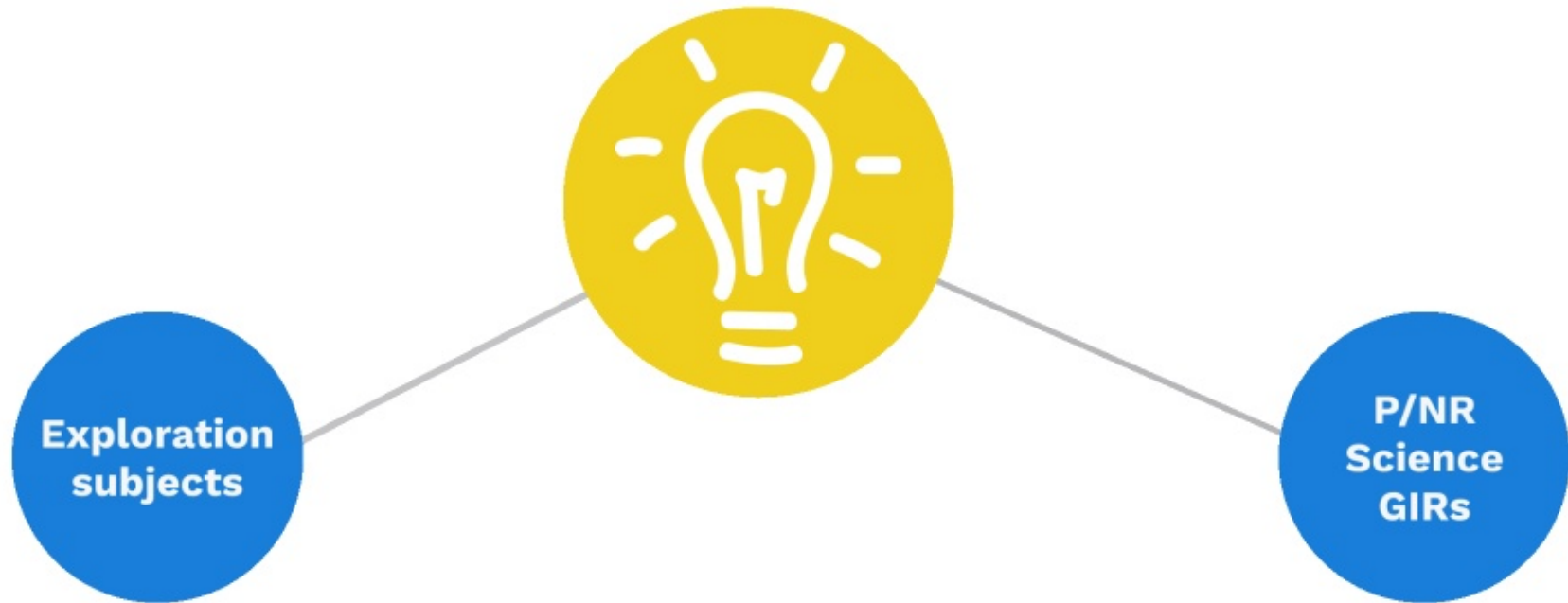
- promote exploration
- identify exploration subjects
- expand P/NR

Proposing the experiment



MIT | Registrar's Office

Class of 2022 experiment



MIT | Registrar's Office

Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment



 Registrar's Office

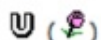
Proposing a subject



1,059
subject
proposals
reviewed
last year

 Registrar's Office

5.001 Frontiers in Molecular and Materials Science (New)



Prereq: None

Units: 2-0-0 [P/D/F]

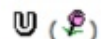
Lecture: T1-3 (18-578)

Provides an interactive forum for students who want to know more about the cutting edge of chemistry, how chemistry unlocks the secrets of life and the world around us, saves lives, changes the environment into the tech startup ecosystem. Emphasizes modern illustrations of the power and wonder of chemistry.

J. Johnson

No textbook information available

15.000 Explorations in Management (New)



Prereq: None

Units: 2-0-1 [P/D/F]

Lecture: M EVE (7-9 PM) (E51-345)

Broad introduction to the various aspects of management including analytics, accounting and financial operations, marketing, entrepreneurship and leadership, organizations, economics, systems dynamics, and negotiation and communication. Introduces the field of management through a variety of experiences including management games (simulations), cases, and discussions led by industry experts. Also reviews the three undergraduate majors offered by Sloan as well as careers in management.

J. Orlin

No textbook information available

COMMITTEE ON
CURRICULA

APPROVED

General Institute Requirements

Overview

Science

Communication

HASS

REST

Laboratory

Physical Education

Communication Requirement

The Communication Requirement makes the development of effective writing and speaking an integral part of undergraduate education at the Institute. The Communication Requirement ensures that all undergraduates receive substantial instruction and practice in general expository writing and speaking and the forms of discourse common to their professional fields.

The Communication Requirement consists of four communication-intensive (CI) subjects sequenced throughout a student's undergraduate career. Students take two CI subjects in the humanities, arts, and social sciences (HASS) and two CI subjects in their major program (CI-M). Students must complete their CI subjects in order to remain in good standing. They must complete one of their CI subjects in the first year, one in the second year, and two in the third year.

SUBCOMMITTEE ON
THE COMMUNICATION
REQUIREMENT

General Institute Requirements

Overview

Science

Communication

HASS

REST

Laboratory

Physical Education

HASS Requirement

MIT provides a substantial and varied program in the humanities, arts, and social sciences (HASS) that forms an essential part of the education of every undergraduate. This program is intended to ensure that students develop a broad understanding of human society, its traditions, and its institutions. The requirement enables students to deepen their knowledge in a variety of cultural and disciplinary areas and encourages the development of sensibilities and skills vital to an effective and satisfying life as an individual, a professional, and a member of society.

Specifically, the objectives of the program are to ensure that students have a broad knowledge of human cultures, a sensitivity to the needs of others, an awareness of the interconnectedness of the world, and a sensitivity to the environment. The program is designed to be flexible and to allow students to explore a wide range of subjects, including literature, history, philosophy, art, and social sciences.

39 new
HASS &
12 new CI
subjects

SUBCOMMITTEE ON
THE HASS
REQUIREMENT

Advising



Curriculum Development Funds

Alumni
Class Funds



over
\$3 million
awarded in
the last five
years

d'Arbeloff
Fund



 Registrar's Office

Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment

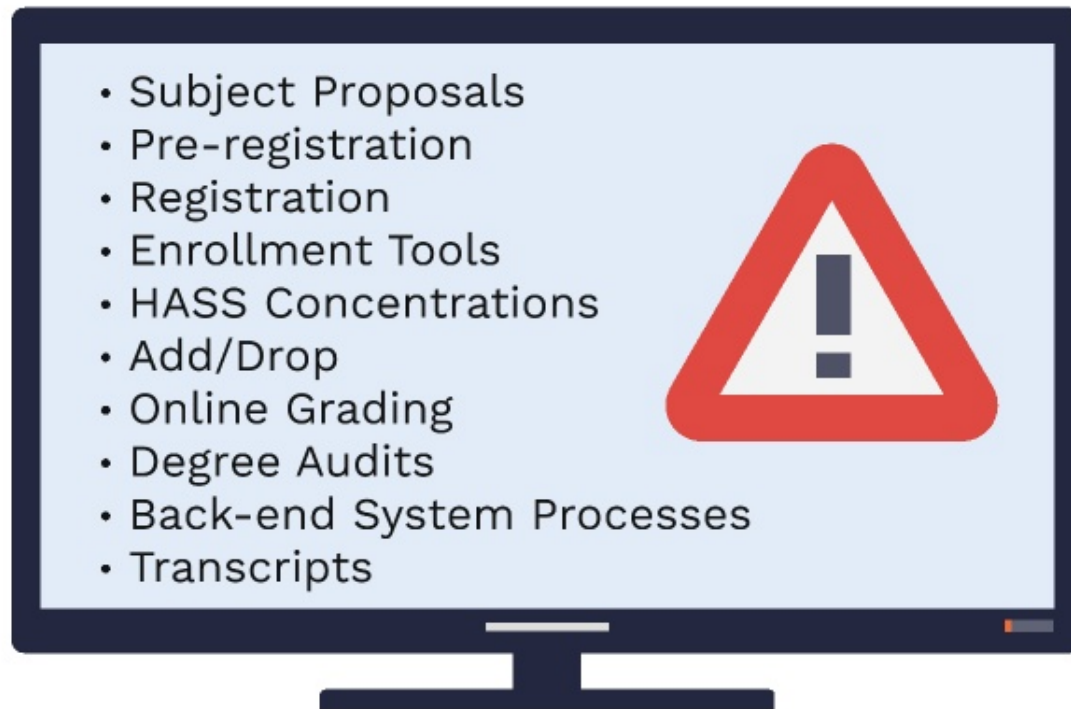


 Registrar's Office

Grading modes

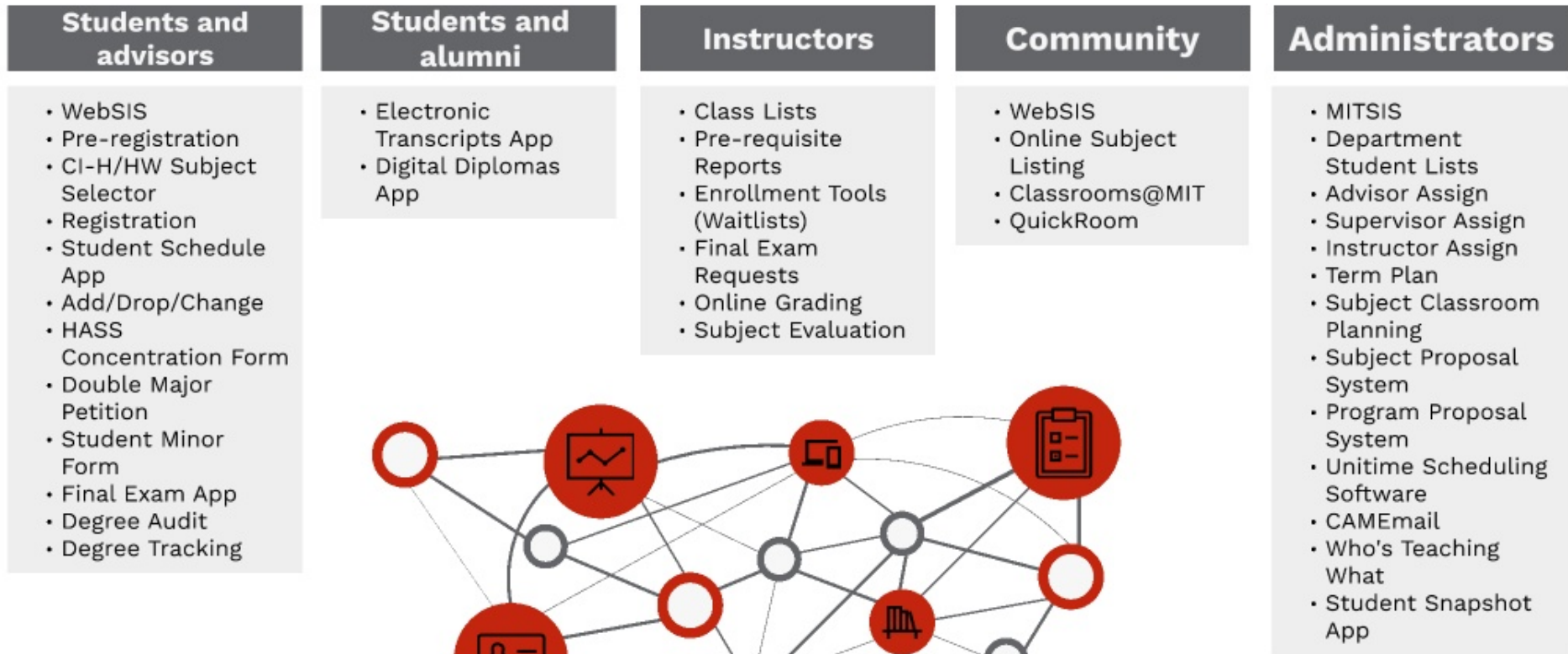
First Years	Sophomores	Juniors/Seniors	Graduates
Fall & IAP Pass/No Record	Sophomore Exploratory Option	Junior/Senior P/D/F Option	Graduate P/D/F Option
Spring ABC/No Record	Listener	ASE Grading	Visiting Student

Impact of grading mandate on systems



MIT | Registrar's Office

40+ independent systems

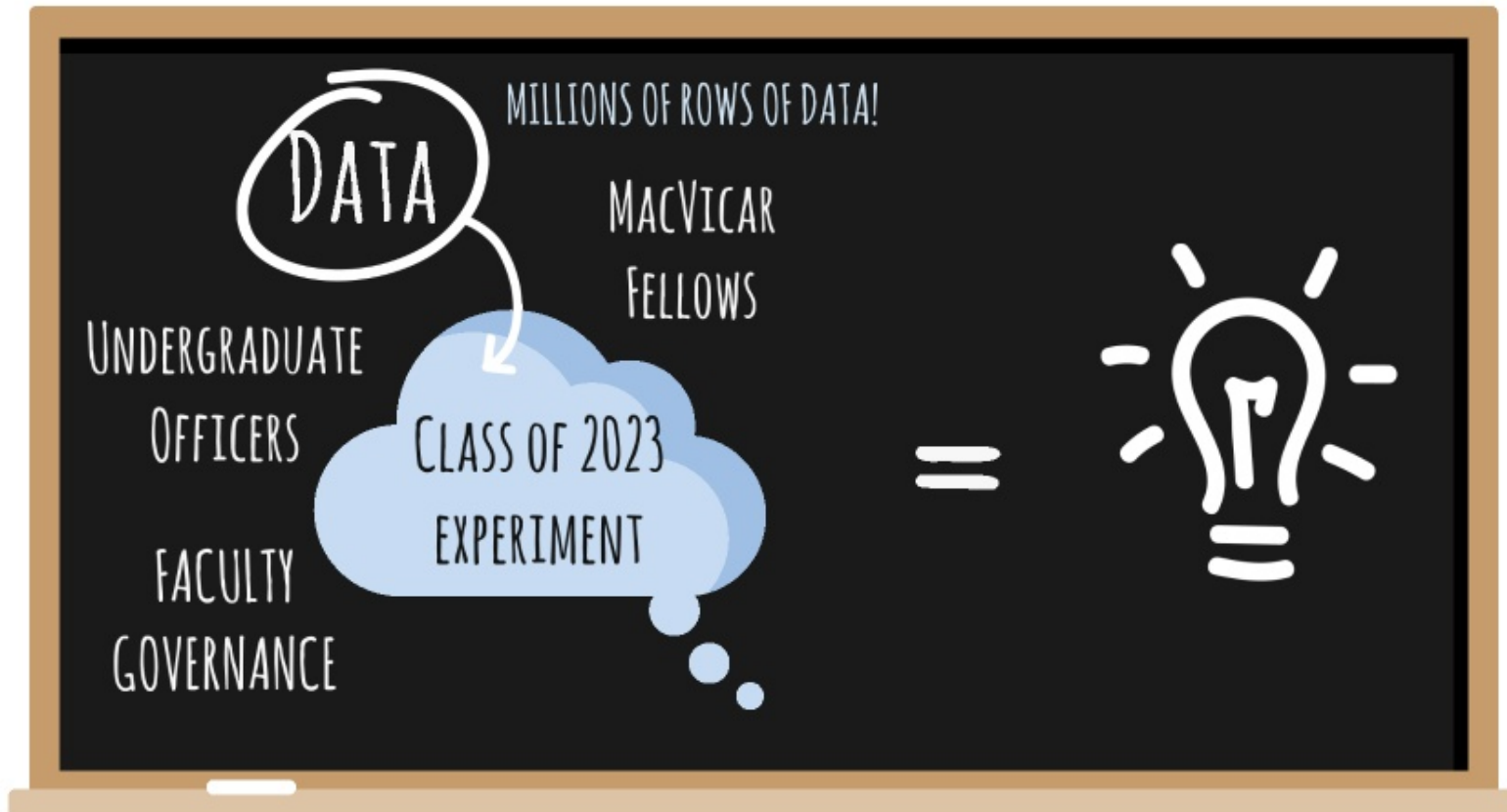




Which doesn't belong?

- a. **\$3 million** curriculum development funds
- b. **364.4** length of the Harvard Bridge in Smoots
- c. **40+** independent systems

Expanding the experiment



Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment



 Registrar's Office

Enrolling in classes



Search for a Subject:

[Waitlists](#) | [View Schedules of Entered Subjects](#) | [View Undergraduate Degree Audit](#)
[Reset to Pre-Registration](#) | [View Online Subject Listing](#) | [View Freshman Folder](#)

#	Subject Title	HASS Category & CIH Status	Units	Grading Option	Remove
6.933	Entrepreneurship in Engineering Prereq: None		12	<input type="button" value="Revoke"/> <input type="button" value="Add"/> <input type="button" value="Regular"/> <input type="button" value="Listener"/> <input checked="" type="button" value="Pass/No Record"/>	<input type="checkbox"/>
8.011	Physics I Prereq: None		12	<input checked="" type="button" value="Pass/No Record"/>	<input type="checkbox"/>
15.000	Explorations in Management Prereq: None		3	<input type="button" value="Regular"/> <input type="button" value="Add"/>	<input type="checkbox"/>
18.01	Calculus Prereq: None		12	<input type="button" value="Pass/No Reco"/> <input type="button" value="Add"/>	<input type="checkbox"/>
Total Units: 39 / Credit Limit: 48					

Assessing tuition

Fall and spring 2018-2019	
Full regular tuition	\$25,760
Light load tuition	\$800/unit (minimum of \$4,800)
SB thesis only tuition	\$800/unit (minimum of \$1,600; maximum of \$25,760)
Off-campus internship tuition	\$9,015 (35% of maximum tuition charge)
Early withdrawal	See proration tables .

Summer 2018	
Six or fewer units	\$3,240
Six or more units	\$540/unit (maximum of \$17,155)
SB thesis only tuition	\$1,620 (minimum charge; three units)
Off-campus internship tuition	\$540/unit (maximum of \$2,160)

**38 different
tuition rates**

MIT | Registrar's Office

Academic Calendar

Statistics & Reports
Forms & Petitions
Contact Us
WebSIS

Registrar's Office

Academic Calendar
Guide Me ▾

🔍

REGISTRATION & ACADEMICS
GRADUATION
TRANSCRIPTS & RECORDS
CLASSES, GRADES & EVALUATIONS
CLASSROOMS
FACULTY & CURRICULUM SUPPORT

March 2019

MAR 6	Wednesday	Undergraduate registration opens for fourth quarter Physical Education classes, 8 AM.
MAR 8	Friday	<p>Add Date. Last day to add subjects to registration.</p> <p>Last day for jrs/srs to change an elective to or from P/D/F grading.</p> <p>Last day for graduate students to change a subject to or from P/D/F grading.</p> <p>Last day to change a subject from listener to credit.</p> <p>Last day to drop half-term subjects offered in first half of term (H3).</p> <p>Last day for sophomores to change a subject to or from Exploratory.</p> <p>Late fee (\$100) and petition required for students completing registration after this date.</p> <p>Last day for February 2020 degree candidates to apply for a double major.</p> <p>Deadline for completing cross-registration. \$50 late fee for petitions received after this date.</p>
MAR 12	Tuesday	Graduate registration opens for fourth quarter Physical Education classes, 8 AM.
MAR 18	Monday	Half-term subjects final exam period (H3).

Class scheduling

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	
8	8:00-10 (10) 15.264J L1 C31-315	8:00-10 (2) 15.271 L5 15.209 L1	8:00-10 (10) 15.264J L1 C31-315	8:00-10 (2) 15.271 L5 C31-315 15.278 L1 15.209 L1	8:00-10 (2) 15.264J R1 15.274J L1	
9	9:12 (2) 15.471J L1 15.209 L1	9:12 (2) 15.276 L1 15.209 L1	9:12 (2) 15.261 L1 15.209 L1	9:12 (2) 15.271 L5 C31-315 15.278 L1 15.209 L1 15.442 L1 C31-315 15.510 L1 C31-315 15.511 L1 15.209 L1	9:12 (2) 15.264J R1 15.274J L1	
10	10:11-10 (20) 15.012* L2 C31-315 15.014* L2 C31-315 15.205 L1 15.1-305 15.207J L1 C31-305 15.275J L1 15.1-305 15.264 L1 15.1-305 15.401 L3 C31-345 15.405 L1 15.209 L1	10:11-10 (14) 15.268 L1 C31-345 10:30-12 (2) 15.232J L1 C31-305 11:10-10 (1) 15.264J L1 C31-311	10:11-10 (20) 15.012* L2 C31-315 15.014* L2 C31-315 15.205 L1 15.207J L1 15.275J L1 15.264 L1 15.401 L3 15.405 L1	10:11-10 (14) 15.268 L1 C31-345 15.275 L2 C31-315 15.205 L1 15.232J L1 C31-305 11:10-10 (1) 15.264J L1 C31-311 15.405 L1	10:11-10 (20) 15.012* L2 C31-315 15.014* L2 C31-315 15.205 L1 15.207J L1 15.275J L1 15.264 L1 15.401 L3 15.405 L1	10:11-10 (2) 15.264J R1 15.274J L1
11	11:30-1 (2) 15.275J L2 C31-305 15.401 L3 C31-345 15.410 L3 C31-345	11:30-1 (2) 15.276 L1 15.209 L1	11:30-1 (2) 15.275J L2 C31-305 15.205 L1	11:30-12 (1) 15.264J L1 C31-311 15.276 L1	11:30-12 (1) 15.264J R2 15.274J L1	
12	1:00-1 (2) 15.275J L2 C31-305 15.401 L3 C31-345 15.410 L3 C31-345	1:00-1 (2) 15.276 L1 15.209 L1	1:00-1 (2) 15.275J L2 C31-305 15.205 L1	1:00-12 (1) 15.264J L1 C31-311 15.276 L1	1:00-12 (1) 15.264J R2 15.274J L1	
13	1:30-3 (20) 15.012* L1 15.475J L1 15.014* L1 15.209 L1 15.271 L1 15.271J L1 15.275J L1 15.207* L1	1:30-3 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	1:30-3 (20) 15.012* L1 15.209 L1 15.014* L1 15.209 L1 15.271 L1 15.271J L1 15.275J L1 15.207* L1 15.208* L1 15.208* L3	1:30-3 (20) 15.205 L1 C31-305 15.207J L1 C31-305 15.275J L1 C31-305 15.264 L1 C31-305 15.276 L1 C31-305 15.261 L2 C31-305	1:30-3 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	
14	2:00-4 (20) 15.271 L2 15.209 L1 15.271J L2 15.208* L2 15.208* L4 15.208* L1 15.209 L1 15.209 L1 15.209 L1 15.209 L1	2:00-4 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	2:00-4 (20) 15.271 L2 C31-305 15.271J L2 C31-305 15.208* L2 C31-305 15.208* L4 C31-305 15.208* L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305	2:00-4 (20) 15.205 L1 C31-305 15.207J L1 C31-305 15.275J L1 C31-305 15.264 L1 C31-305 15.276 L1 C31-305 15.261 L2 C31-305	2:00-4 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	
15	3:00-4 (20) 15.271 L2 15.209 L1 15.271J L2 15.208* L2 15.208* L4 15.208* L1 15.209 L1 15.209 L1 15.209 L1 15.209 L1	3:00-4 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	3:00-4 (20) 15.271 L2 C31-305 15.271J L2 C31-305 15.208* L2 C31-305 15.208* L4 C31-305 15.208* L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305 15.209 L1 C31-305	3:00-4 (20) 15.205 L1 C31-305 15.207J L1 C31-305 15.275J L1 C31-305 15.264 L1 C31-305 15.276 L1 C31-305 15.261 L2 C31-305	3:00-4 (20) 15.205 L1 15.209 L1 15.207J L1 15.209 L1 15.275J L1 15.209 L1 15.264 L1 15.209 L1 15.276 L1 15.209 L1 15.264 L1 15.209 L1	
16	4:00-8 (4) 15.209 15.121 15.433 15.271 15.452* 15.209 15.271J 15.209 15.209 15.275J 15.209 15.261	4:00-8 (4) 15.271 15.232 15.232 15.232 15.271 15.232 15.232 15.275J 15.232 15.261	4:00-8 (4) 15.209 15.452* 15.209 15.271 15.232 15.232 15.271J 15.232 15.232 15.275J 15.232 15.261	4:00-8 (4) 15.209 15.452* 15.209 15.271 15.232 15.232 15.271J 15.232 15.232 15.275J 15.232 15.261	4:00-8 (4) 15.209 15.452* 15.209 15.271 15.232 15.232 15.271J 15.232 15.232 15.275J 15.232 15.261	
17	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	
18	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	8:00-10 (2) 15.208* L1 C31-345 15.401 L3 C31-345	

2,652 lectures, labs, recitations, etc. scheduled this spring

Registar's Office

Classrooms

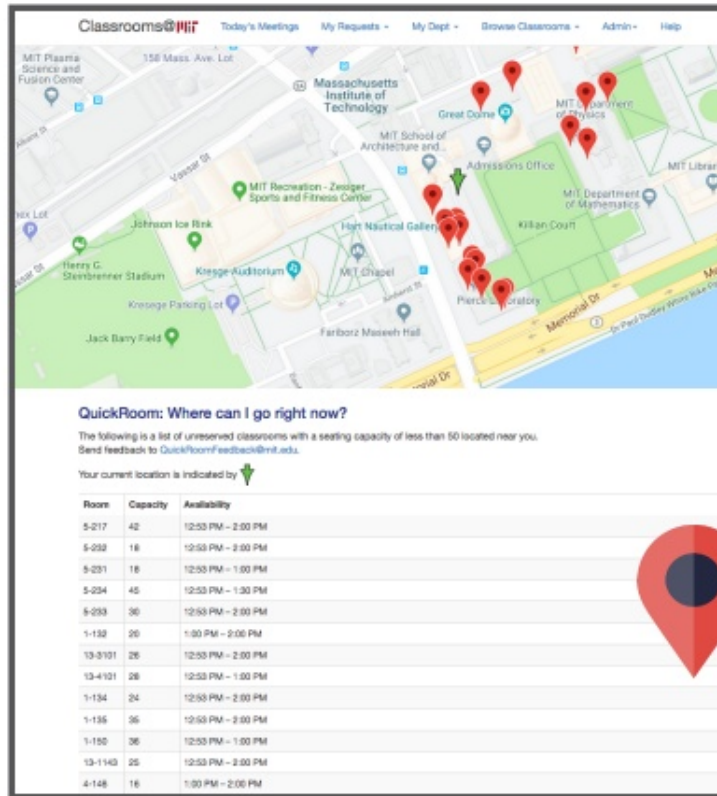
The newly renovated Room 37-212



**156 classrooms in
the Registrar's
Office inventory**


MIT | Registrar's Office

Ad hoc scheduling



Classrooms@MIT Today's Meetings My Requests My Dept Browse Classrooms Admin Help

QuickRoom: Where can I go right now?
The following is a list of unreserved classrooms with a seating capacity of less than 50 located near you.
Send feedback to QuickRoomFeedback@mit.edu.

Your current location is indicated by 

Room	Capacity	Availability
5-217	42	12:55 PM - 2:00 PM
9-292	18	12:55 PM - 2:00 PM
9-291	18	12:55 PM - 1:00 PM
5-294	45	12:55 PM - 1:30 PM
9-293	30	12:55 PM - 2:00 PM
1-132	20	1:00 PM - 2:00 PM
13-3101	28	12:55 PM - 2:00 PM
13-4101	28	12:55 PM - 1:00 PM
1-134	24	12:55 PM - 2:00 PM
1-135	36	12:55 PM - 2:00 PM
1-150	36	12:55 PM - 1:00 PM
13-1143	25	12:55 PM - 2:00 PM
4-148	16	1:00 PM - 2:00 PM

34,374 ad hoc reservations processed last year

QuickRoom

MIT Registrar's Office



Over or under...

- **56 classrooms in our inventory?**
over: 156 classrooms
- **400,500 classes, labs, recitations this spring?**
under: 2,652 classes, labs, recitations
- **3,000 ad hoc reservations last year?**
over: 34,374 ad hoc reservations

Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment



 Registrar's Office

Evaluation

**Evaluate
classes**

**Recognize
teaching**

**Collect
grades
and review
progress**

Evaluate classes

SUBJECT	Rating Scale: 1=Strongly Disagree, 4=Neutral, 7=Strongly Agree, N/A=Not Applicable (7 is best)				
	AVG	1 2 3 4 5 6 7	RESPONSES	MEDIAN	STDEV
Subject expectations were clearly defined	6.0	■■■■■■■	19	6.0	1.2
Subject's learning objectives were met	6.3	■■■■■■■	19	7.0	1.1
Assignments contributed to my learning	6.7	■■■■■■■	19	7.0	0.56
Grading thus far has been fair	6.3	■■■■■■■	12	7.0	1.37

	Rating Scale: 1=Too Slow, 4=Just Right, 7=Too Fast, N/A=Not Applicable (4 is best)				
	AVG	1 2 3 4 5 6 7	RESPONSES	MEDIAN	STDEV
The pace of the class (content and assignments) was:	5.6	■■■■■▼	19	6.0	1.01

	AVG	RESPONSES	MEDIAN	STDEV
Average hours you spent per week on this subject in the classroom	4.7	19	4.0	2.43
Average hours you spent per week on this subject outside of the classroom	17.4	19	15.0	9.82

	Rating Scale: 1=Very Poor, 7=Excellent (7 is best)				
	AVG	1 2 3 4 5 6 7	RESPONSES	MEDIAN	STDEV
Overall rating of the subject	6.3	■■■■■■■	19	7.0	1.24

2,149
instructors
evaluated,
on average

Recognize faculty

MacVicar Faculty Fellows Program



**121
MacVicar
Fellows**

Collect grades and review progress

4.0	4.1	48	48	16.0	114	5	0.79	A-	1.000	C-	1.010	B	12.113	B-	21L.001	C
4.8	4.9	69	69	13.0	174	5	0.87	A+	1.050	A	1.058	B	6.036	A-	6.902	C
								A	6.911	A	6.912	A	7.012	A-	12.385	
4.2	4.3	57	57	14.0	135	5	0.79	B-	1.010	B	1.058	B	7.012	B	11.001	C
								A-	11.013							
5.0	4.8	48	48	17.0	141	5	0.89	A	1.022	A-	1.075	A	6.0001	A	6.0002	C
								A-	11.001	06SEPCMS.335						
5.0	4.9	51	51	13.5	125	5	0.74	A	1.061A	A	1.070A	A	1.106	A+	2.723	C
								A+	6.911	A	6.912	A	15.570	A	15.833	
								A	21M.606							
5.0	4.9	48	24	11.5	108	3	0.64	A+	1.010		1.050	A+	1.101	A	21M.445	
								A+	HAA.0891							
5.0	4.5	42	42	12.0	131	5	0.72	A	1.061	A	1.070A	A	1.070B	A	1.106	
								A-	6.902	A	6.911	A	6.912			

46,665 grades recorded last fall



True or false?

- **25 instructors are evaluated every term.**
False; 2,149 instructors every term
- **There have been 121 MacVicar Fellows since the program began.**
True
- **Last fall, we recorded 46,665 grades.**
True

Exploring the MIT Registrar's Office through the Lens of a Curricular Experiment



 Registrar's Office

The Goal




Step 1 of 5
Computing local hash [DONE]

Step 2 of 5
Fetching remote hash [DONE]

Step 3 of 5
Comparing local and remote hashes [DONE]

Step 4 of 5
Checking Merkle root [DONE]

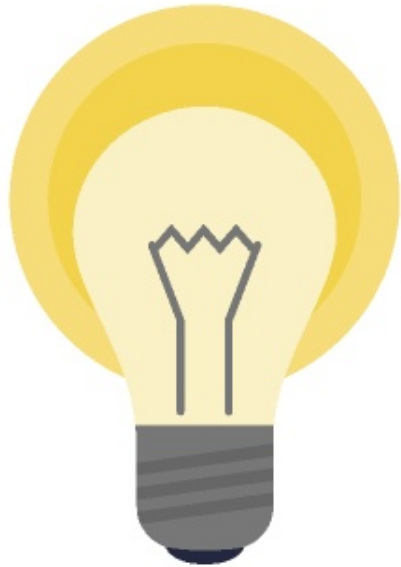
Step 5 of 5
Checking receipt [DONE]

 VERIFIED

Public Key
1HYPitzbwR83M3Smw6Gws5XeQzBWoJAEs

Blockchain Address
4bf64ff1517554dac3496e9da0a28-
ca9ae492682b0898e384ea17e7f90ee1295

From idea to degree



MIT | Registrar's Office

The MIT Registrar's Office

