

Course 15 splits into 3 separate majors

Dearth of majors, confusion over term ‘management science’ cited

By Divya Gopinath
STAFF REPORTER

MIT's Sloan School of Management is turning Course 15 into three separate majors, motivated in part by “confusion regarding the meaning of ‘management science,’” James B. Orlin SE '88 said in a faculty meeting.

Orlin, the Sloan Professor who spearheaded the effort, also cited concerns about “declining enrollment” and described “a general perception that the major was too restrictive.”

Rather than a general management science major, students will now be able to select from three options: 15-1, Management; 15-2, Business Analytics; and 15-3, Finance.

“I think that students understand the terms Management and

Finance,” Orlin wrote in an email to The Tech.

Previously, Course 15 offered just a single major. Students were expected to select a concentration in finance, business analytics, marketing, or information technology, and complete three to four classes on the topic.

The new program will instead offer three separate B.S. degrees, with minors available in each. Students who complete a business analytics degree study operations research and data science; the B.S. in finance focuses on investment and corporate finance.

The revised flex-degree in management, 15-1, will offer a broad review of management that is similar to the current degree in management science. Students in this de-

Course 15, Page 8



LENNY MARTINEZ—THE TECH

Hackers set up display in Lobby 7 on Monday to honor the death of English actor Alan Rickman, famous for his role as Severus Snape in the film adaptations of the Harry Potter series.

UA leaders to review diversity of gov't after endorsement vote fails

On endorsing BSU recs, all but three councilors abstained

Katherine Nazemi
NEWS EDITOR

The Undergraduate Association Executive Board will be conducting a survey to evaluate the UA's diversity across multiple lines of identity including race and gender. The survey is motivated in part by the outgoing UA Council's decision not to endorse recommendations from the Black Students' Union (BSU).

“I look forward to sharing the results with the community and understanding — structurally and culturally — how we can go about creating an even more diverse and even more inclusive student government here at MIT,” UA President Matthew J. Davis '16 said in an interview with *The Tech*.

The recommendations were needed to “start to get our community addressing the tangible

ways to improve diversity and inclusion on campus,” Rasheed K. Auguste '17, Political Action co-chair of the BSU, said.

Auguste says he has also begun working with the UA Community Committee to try to “incorporate community conversations into dorm life and residence halls.”

The recommendations

The BSU presented a set of 11 recommendations to MIT's Academic Council, a group of senior administrators, on Dec. 1. The list includes diversity training for students, increased data collection on underrepresented minorities, and the addition of a new HASS elective addressing diversity.

The list also includes recommendations to hold new-student orientation groups for underrepresented minorities and to appoint a Diversity Representative “tasked with leading the improve-

ment of diversity and inclusion” within each department. It further calls for MIT to increase its financial aid commitments in order to keep education accessible. (Student expenses, including tuition, room, and board were estimated to be \$63,250 this year; MIT allocated \$103.4 million to undergraduate financial aid for the 2015-2016 school year, and about 91% of undergraduates receive financial aid).

A group of seven members of the Academic Council, including Kirk Kolenbrander, Cynthia Barnhart PhD '88, Edmund Bertschinger, along with two undergraduate students and two graduate students, have been tasked with “addressing and dealing with the recommendations,” Auguste said.

Auguste believes that the single most important recom-

BSU, Page 2

2016's Huntception ‘harder’ than normal

Team spent year creating 12-level, 163-puzzle Inception-themed Mystery Hunt

By Vivian Zhong

Team Setec Astronomy won this year's Mystery Hunt at 6:53 p.m. Sunday when they found the coin in The Alchemist statue.

The last time Setec won was in 2009, when they, as legend has it, “accidentally” beat all other teams to the coin. Setec also won in 2002 and 2005. The team has been led since its genesis in the 90s by an MIT Course 5 graduate whose last name is, appropriately, Morse. Chris Morse '82, now a professor at Tufts, started the team with about 15 fellow graduates; over the years the team has grown to include about 50 people from various backgrounds. The dual reward and burden of winning a hunt is being in charge of writing and running the hunt the following year.

Team Luck, last year's winners,

wrote the hunt this year. Deeply layered and harder than previous hunts, it was dubbed Huntception by its creators, Nathan Fung, Mike Sylvia, and Craig Kasper. Fung, the founder and leader of the team, began his hunting journey as a member of Team Palindrome, but sought experience on a smaller team and subsequently formed Team Luck.

Huntception featured 163 puzzles divided between 12 “dream levels,” with the last one thematically called “Limbo.” The editors “underestimated how much harder the hunt was” than in previous years, they said — though “not impossibly hard.”

Teams raced each other to solve exhausting layers of puzzles, meta puzzles, and meta meta puzzles

Mystery Hunt, Page 3

IN SHORT

Watch the final round of the Integration Bee today from 6:30-9:30 p.m. in 32-123!

Share your thoughts and engage your peers on discussion.mit.edu, launched Monday.

LSC's Annual Science Fiction Marathon will take place Saturday

in 26-100, from 7 p.m.-7 a.m. Watch the Martian, Apollo, and many more sci-fi movies!

Online registration for spring classes opens on Monday, Jan. 25.

P.E. registration opens for the coming quarter at 8 a.m. on Wednesday, Jan. 27.

Send news information and tips to news@tech.mit.edu.

New House pipe burst cost Institute \$6 million

The damage caused by the flood in New House last summer cost the Institute about \$6 million: \$4 million in repairs, plus about \$2 million to cover room, board, and moving expenses for the approximately 140 displaced New House residents.

The Institute also allocated about \$6 million to “renew cer-

tain building systems” while the building was unoccupied, Deputy Executive Vice President Anthony P. Sharon told *The Tech* in an email.

Many of the displaced residents have spent a semester in the Hyatt Regency hotel. They will return to New House this Saturday.

A burst sprinkler pipe last July

caused almost four feet of flooding and severe water damage in three of New House's six houses. The damage displaced residents in Houses 1, 2, and 3.

Sharon expects that some of the expenses will be covered by insurance.

— Ray Wang

ADMINS RESPOND TO WITHDRAWAL STORY

Read their letter to the editor. **OPINION, p. 4**

WHY I'M LEAVING ENGINEERING

Following another set of passions. **CAMPUS LIFE, p. 10**

PORTRAITS OF RESILIENCE

One professor's story. **CAMPUS LIFE, p. 10**



WHY YOU SHOULD CARE ABOUT DAVID BOWIE?

He's our most loved misfit. **ARTS, p. 6**

IMMOVABLE OBJECT? MEET IRRESISTIBLE FORCE

Peyton-Manning XVII. **SPORTS, p. 12**

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WEATHER

Major storm may miss Boston

By Vince Agard
STAFF METEOROLOGIST

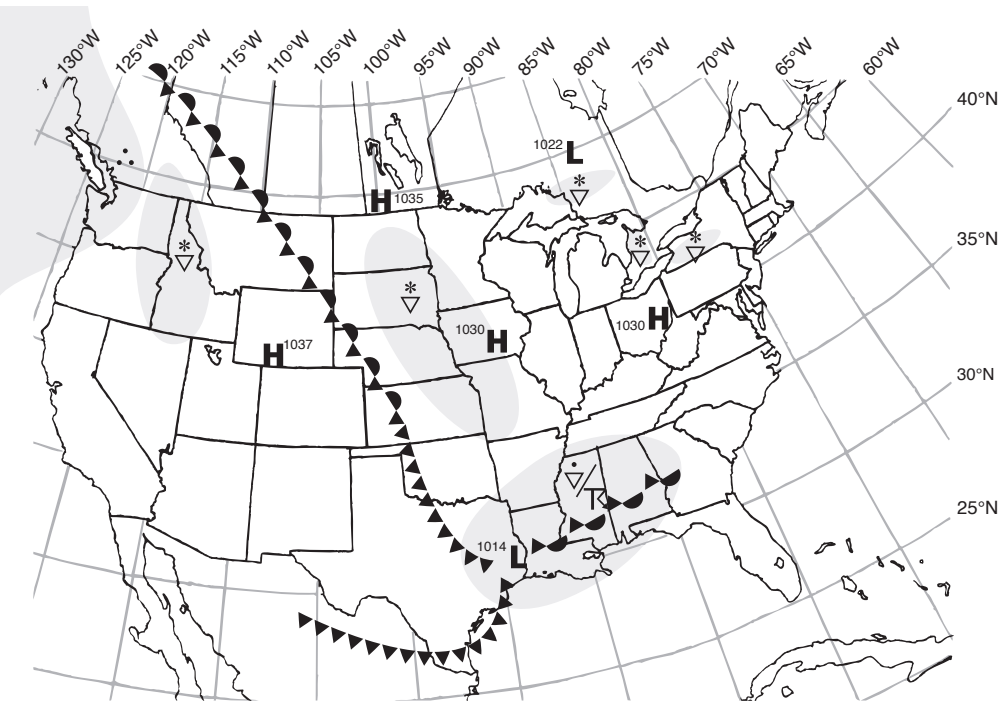
The Mid-Atlantic region is preparing for a major winter storm that is poised to wallop the Washington and Baltimore areas with up to 2 feet of snow this weekend. However, while this same storm was originally forecast to have a similar impact in New England, recent model runs are suggesting that the storm will take a more southern track, bringing it out to sea and sparing the Boston area from the brunt of the snowfall.

As is usually the case with Nor'easters such as this one, slight deviations in the track of the storm can result in huge variations in snowfall totals, as a too-far-offshore track causes the precipitation to miss the area, while a too-far-on-shore track causes precipitation to fall as rain. This accounts for some of the uncertainty in the snow fore-

cast several days in advance, when the atmospheric wave features that will eventually develop into a storm are located over the Pacific Ocean, where there are fewer weather observations from which data can be fed into models. On Wednesday, the features of interest with regard to this storm moved over land, where better observational coverage helped to reduce the uncertainty in numerical weather prediction model solutions, which are highly sensitive to initial conditions. As a result, the models have begun to converge on a solution that takes the storm offshore to our south on Saturday night, keeping the majority of the snowfall along or south of the Massachusetts coastline. Boston may still see some snowfall between Saturday afternoon and Sunday morning, but it is likely (roughly 85 percent chance as of this writing) that total accumulation will be under 5 inches.

Extended Forecast

Today: Afternoon sunshine, high 30°F (-1°C). Winds NW at 10-15 mph, gusting as high as 25 mph.
Tonight: Clear, low 19°F (-7°C). Winds NW at 10-15 mph.
Tomorrow: Mostly sunny, high 31°F (-1°C). Winds NW at 10-15 mph.
Saturday: Windy with a chance of snow late, highs around 30°F (-1°C).
Sunday: Windy with a chance of snow early, highs in the low 30s °F (0°C).



Situation for Noon Eastern Time, Thursday, January 21, 2015

Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
H High Pressure	- - - Trough	Snow * Rain ▽	☁ Fog
L Low Pressure	—••• Warm Front	Showers ▽	⚡ Thunderstorm
§ Hurricane	▲▲▲ Cold Front	Light *	∞ Haze
	▲▲▲ Stationary Front	Moderate **	
		Heavy ***	

Compiled by MIT Meteorology Staff and The Tech

BSU called for statements from department heads

Black Students’ Union also recommended diversity orientation for incoming students

BSU, from Page 1

mentation is the call for “statements issued by each leader of a department, lab, or center at MIT reaffirming the commitment to student mental and physical health, diversity, and inclusion,” and would like to see that happen before the start of the spring semester.

The BSU supplies several examples of what form such a statement could take: “We care about the mental and physical health of our students before the quality of their work,” and “We value diversity in and inclusion of our students, faculty, and staff with regard to their backgrounds and opinions,” among others.

For departments in particular, the BSU recommendations suggest, “We pledge to create and to implement an action plan to meet and exceed MIT’s 2004 goal of doubling the URM faculty and tripling the percentage of URM graduate students within ten years.”

Auguste notes that work environment is crucial to most MIT students, and such statements are “just the beginning” of creating a more inclusive environment.

In the next semester, Auguste hopes to see changes to the type of survey data that MIT collects on current and incoming students. Recommendations such as installing a Diversity Representative in each department and adjusting financial aid, he sees as longer-term issues.

The recommendations provide a set of actions for MIT’s administration; they do not contain student-facing recommendations. “That’s not to say there’s not stuff to be done on the student level,” Auguste said, such as “endorsing conversation.”

“I think the way to instigate change is to approach it from a lot

of different angles simultaneously,” he said.

The vote

On Dec. 9, the outgoing UA Council voted not to endorse the BSU’s recommendations.

Three of the 16 councilors voted in favor; the rest abstained. Richard Watts ’18 and Alana Papula ’17 were among the councilors who supported endorsing the recommendations. At press time, the third councilor had not been identified.

Auguste said that an endorsement would have given “a sense of sponsorship,” sending the message that “[Council stands] behind all of the ideals put forward in these recommendations.” From his perspective, the vote was not meant to be a statement of support for the specific actions put forth in the recommendations, which were still “fluid,” but rather, support for the spirit behind them.

UA President Matthew J. Davis ’16 said similarly that an endorsement would have meant “we agree with the idea of these recommendations,” but that some councilors may have had different ideas. Rather than viewing the vote as a general statement of support, he said, some councilors may have thought that the vote would indicate support for the specific mechanisms proposed in the recommendations.

“I like to think that council voted no because they weren’t sure what they were voting on,” he said.

Sticking points in the conversation were centered around Recommendation 2 — the proposed Immersion Studies HASS elective — as well as concerns around funding the Diversity Representative position outlined in Recommendation 11.

According to council meeting minutes, Auguste described the

current HASS system, which entails eight courses, and said, “we want to see one of those unrestricted electives narrowed down to already existing courses which focus on intersectionality and diversity.”

Charlotte Swasey ’16, a Panhel representative, raised a concern about HASS classes “being allocated at will,” saying that “[HASS classes] shouldn’t be fluffy for students.”

Davis, in an attempt to redirect the conversation, asked, “more broadly, how can we get students involved in race diversity and inclusion in this realm?”

After an ensuing back-and-forth between Papula, Auguste, and Eric Mannes ’16, Panhel representative Taylor Rose ’16 raised concerns that a mandatory HASS class might force a high enrollment.

Swasey emphasized that “it’s not useful for students to take classes they don’t care about,” saying she “strongly recommend[s] against it because students already hate the HASS system.”

“I could make the same arguments about 8.01 and 8.02, but that doesn’t mean they have no value,” Auguste responded.

In an interview with *The Tech*, Davis described the questioning by councilors as “very targeted” and “very aggressive.”

“At no point was the underlying problem of diversity at MIT, or the underlying problems of the experience of students of color or students from different underrepresented backgrounds - never was that brought up as a point of discussion amongst council. But that’s why the recommendations were there,” Davis said. “Rasheed is not here to talk about the HASS requirement.”

Auguste expressed mixed feelings about the council discussion. “I actually welcome taking issue with specific aspects of the recommendations, if brought forward in

a constructive way,” he said, “I just feel those kinds of things weren’t exactly what I was looking for out of that meeting.”

“I was really looking for suggestions on the spirit behind some of these things,” he said.

However, Auguste said that he felt “a general spirit of support,” and noted that a lot of councilmembers had “a can-do attitude.”

“I feel like a lot of council members did get the big picture and broader scope,” he said.

Watts, who voted in favor of endorsing the recommendations, said in an email to *The Tech*, that some council members “were under the impression that some of the recommendations were too lofty or optimistic to actually achieve.”

“The recommendations are, in my general interpretation, an excellent approach to emboldening the black community on campus,” he said, and added that they would be beneficial to non-black students as well.

“It also seems to me that whenever a group is claiming they’re at a disadvantage on campus, with ample evidence to support their claim, and they present solutions to the issues, that the only reasonable response is to support them in the ways they ask,” Watts said.

Moving forward

According to Davis, it was notable that the majority of councilors chose to abstain from voting, rather than rejecting the recommendations outright. “What that tells me is, we have a lot of student leaders that are just not sure how to proceed with this conversation. They’ve been presented with something new, and they need more information.”

“Everyone in that room I strongly believe is passionate about diversity at MIT,” Davis said.

With the new council coming

on in the spring, Davis said he will be “specific, intentional, and proactive” about exposing student leaders to conversations about the experiences of students of color at MIT. To start, he plans to attend MIT’s Multicultural Conference in February, and encourage other UA members to go as well.

“I think there’s diversity and there’s multiculturalism, and I don’t think MIT students have enough exposure to either one. And we have a million surveys that say this,” Davis said.

“President Reif has this quote that he says ... that MIT students show up to MIT, and MIT is like a fridge. You open up the fridge, and you choose things out of this fridge, and you can choose anything you want. And that’s great,” Davis said. “But the reality is, students come to MIT having been based on 16 to 18 years of preconditioned conceptions about the world, and will selectively choose things out of that fridge, and probably avoid things that are particularly difficult or challenging to understand or to deal with or to contend with.”

“We may like to think that MIT is this big ivory tower that exists outside the real world but it does not.”

“Data shows that ... certain students are not listened to as much as other students, that students will leave MIT and be paid less than other students, not based on their ideas, but just based on who they are,” Davis said.

Says Auguste, “The kind of thing I’m pushing for here is just that the identity and the ideas aren’t mutually exclusive. You can never separate these things because of unconscious biases, and so you need to treat them with that same respect, i.e. the weighting of identities versus ideas needs to be on a spectrum and not just one or the other.”

Teams travel from far and wide to compete in hunt

Team Setec Astronomy wins competition Sunday evening after finding coin in statue

Mystery Hunt, from Page 1

over the course of the weekend. Solving each puzzle requires substantial reserves of critical thinking, creativity, and focus; the hunt ends when teams successfully pass all the challenges and find a coin hidden somewhere on campus. It’s been an IAP tradition since 1981.

Previous years’ hunts have been infamous for concealing puzzles in unassuming locations — the first-aid kits handed out to all teams, the source code of a webpage. Puzzlers are so suspicious, in fact, that all materials and announcements issued by the hunt organizers were accompanied by the disclaimer: “This is not a puzzle.” This phrase even appeared on an innocuous flyer handed out at the opening ceremony and was reiterated during a hunt wrap-up presentation which was, indeed, after the hunt was already over.

Team Luck, which is short for

“Luck, I Am Your Father,” began planning this year’s hunt “pretty much right after we won,” Fung said. Members of the team took “nearly the entire year” to finish writing all the puzzles: the hunt’s start was delayed two hours due to some last-minute debugging. The theme was originally to be another Christopher Nolan film, Memento, but it shifted to Inception.

“Mystery Hunt is puzzle hunting, upside down, backwards, and inside out,” Kasper mused when asked to compare it to other puzzle hunts. Kasper spent “close to every piece of available time” authoring or co-authoring about 20 of the hunt’s puzzles.

One of the best parts of puzzle-making, Kasper was eager to say, was that he could let his “sense of mischief” creep into his work. Sylvia voiced his appreciation for the Mystery Hunt community, which “has given me a lot of enjoyment over the years.” Kasper said that he has been a “puzzle geek since high

school,” while Sylvia has been “incredibly into puzzles” since the age of five, and got into Mystery Hunt after the impressive feat of going through the entire Hunt archive.

A favorite puzzle among the teams, one Team Luck member found, was Meshed Together from the first dream level “Dog Show.” The first dream level, Muttstery Hunt, actually masqueraded as the hunt’s theme until the real Inception theme was revealed at the end of the round.

Eighteen teams competed in the Mystery Hunt this year. Five teams finished by midnight Sunday evening.

A short survey of one team’s sleeping habits during the Hunt revealed that puzzlers received anywhere between a concerning three hours of sleep to a surprisingly healthy fifteen hours of sleep spread across the weekend. The most dedicated members responded to the query with a non-committal “hmm.”

A team of high school students from a neighboring state took part in the competition; though the team had to leave before the end of the hunt on Sunday, many continued to work on the puzzles remotely from home. For Kasper, who helped encourage the team as they worked steadily through the maze of numbers, words, images, and everything in between, being able to “see the moment when someone solves a meta for the first time” was a highlight of his hunt experience.

Hunt teams that are predominantly undergrads are more and more “fielded by dorms,” the editors said. Student associations are also common grounds for forming teams — Super Team Awesome, for example, is composed of current and past members of the MIT Association of Taiwanese Students.

During the closing ceremonies, Team Luck dedicated this year’s hunt to the late team member Maso, who, a team member said,

was an integral part of the Luck and Hunt communities.

Kasper believes that Team Luck will possibly win again in the next “five to ten years.”

“I don’t think we’ve learned our lesson from this time,” he said, laughing, referring to the immense difficulty and time commitment involved in writing and managing a hunt, suggesting that “perhaps we should start thinking about possible puzzle themes before going into a hunt.”

After the closing ceremony, Setec came to visit the hunt organizers in their headquarters, where they received congratulations and encouragement from Team Luck. The departing team also passed on the word that one of the hunt sponsors, Red Bull, was hoping for a future hunt puzzle to feature Red Bull products in some way. The request seemed rather far-fetched, but, as Kasper says, “people who make Mystery Hunts usually find a way to surprise you.”

Solution to Sudoku I

from page 9

6	3	2	7	9	5	8	1	4
7	5	8	3	1	4	6	9	2
1	4	9	8	6	2	5	7	3
9	7	3	1	8	6	4	2	5
4	8	1	2	5	9	3	6	7
5	2	6	4	3	7	1	8	9
8	1	7	5	2	3	9	4	6
3	9	4	6	7	8	2	5	1
2	6	5	9	4	1	7	3	8

Solution to Sudoku II

from page 9

3	9	7	6	2	5	4	1	8
5	1	4	7	9	8	2	3	6
8	6	2	1	3	4	9	7	5
4	7	9	3	8	6	1	5	2
2	5	8	9	7	1	3	6	4
1	3	6	4	5	2	7	8	9
7	2	3	5	6	9	8	4	1
9	4	5	8	1	3	6	2	7
6	8	1	2	4	7	5	9	3

Solution to Techdoku I

from page 9

2	5	1	3	6	4
5	2	4	6	3	1
4	1	3	5	2	6
3	6	2	4	1	5
1	4	6	2	5	3
6	3	5	1	4	2

Solution to Techdoku II

from page 9

4	2	3	5	6	1
3	1	2	4	5	6
1	5	6	2	3	4
6	4	5	1	2	3
5	3	4	6	1	2
2	6	1	3	4	5

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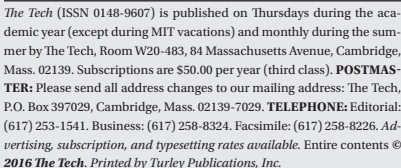
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Remembering David Bowie

COURTESY OF DAVIDBOWIE.COM

There are the obvious reasons. He was

I was first introduced to Bowie's music as a 14-year-old, when a friend of mine directed me to his songs "Ashes to Ashes" and "China Girl." It would be a stretch to say that I've been a devout fan of his music ever since. While his most prominent al-

Rest in peace, David Bowie. The world will never forget what a bright and shining star you were.

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Eric Lander criticized for CRISPR article

Professor Eric Lander has come under fire for an article in Cell that some see as skewing the history of CRISPR to favor the Harvard- and MIT-affiliated Broad Institute, which is currently involved in a high-stakes patent fight with Berkeley over the gene-editing technology.

In “The Heroes of CRISPR,” Lander, who is the director of the Broad Institute, gives an account of two decades of research across multiple countries leading to an accurate and powerful gene-editing system that has been called a revolution in biology.

In online comments and on Twitter, some scientists questioned Lander’s motivations.

Berkeley’s Michael Eisen called the article “science propaganda at its most repellant” and “a deliberate effort to undermine Doudna and Charpentier patent claims and prizeworthiness,” referring to Jennifer Doudna of Berkeley

and her collaborator Emmanuelle Charpentier.

At issue in the patent case is whether the key breakthroughs in CRISPR’s development were first made by Doudna’s team or by Feng Zhang and his team at the Broad Institute.

Lander has defended his article to news outlets, saying that he had contacted Doudna in December to fact-check his article. But Doudna has said he refused to share all of the relevant parts of the story.

Lander and Cell were also criticized for not disclosing the Broad Institute’s role in the patent case. A Cell spokesman told news outlets that the publication’s current policies only require that personal — not institutional — conflicts of interest be disclosed.

The rights to CRISPR’s commercial applications could be worth millions of dollars

— Leon Lin

Solution to Saturday Stumper

from page 5

T	I	R	A	M	I	S	U	S	P	O	T	A	D
A	M	E	R	I	C	A	S	C	A	P	O	T	E
I	M	P	A	N	E	L	S	A	S	T	U	T	E
L	E	A	F	E	D	C	E	N	T	R	A	P	
F	R	I	A	R	J	O	L	T	T	I	C	S	
I	S	N	T	L	U	N	K	S	U	S	H	I	
N	E	T	D	E	N	S	C	O	R	T	E	X	
S	E	G	U	E	S	I	R	A	S	T	K	O	
T	R	A	I	L	S	T	A	T	A	R	E	A	
J	A	Z	Z	R	O	U	T	C	L	I	N	K	
U	S	E	D	U	S	T	C	O	G	E	N	T	
D	U	B	L	I	N	I	M	A	L	O	S	E	R
E	R	O	I	C	A	O	N	P	A	R	O	L	E
S	E	S	T	E	T	N	O	N	S	E	N	S	E

Solution to Directionally Correct

from page 9

S	O	R	T	A	P	T	E	R	S	T	A	B	
O	R	E	O	T	E	A	R	Y	L	U	L	U	
L	E	F	T	T	H	E	P	R	E	M	I	S	E
G	O	B	L	I	N	S	O	R	C	H	A	R	D
U	N	T	I	E	S	I	K	E	T	U	B	A	
S	T	U	N	S	B	R	A	N	D	I	M		
O	A	F	N	C	A	A	T	I	T	A	N		
T	A	O	S	R	I	M	R	E	D	E	Y	E	
C	A	R	P	O	O	L	C	O	V	E	T	E	D
Y	O	U	G	O	T	T	H	A	T	R	I	G	H
E	U	R	O	I	R	A	T	E	T	E	A	S	
S	T	E	T	C	A	P	E	R	Y	E	L	P	

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A Higher Degree of Banking

New undergrad program parallels grad program

Course 15 students will choose from management, business analytics, and finance

Course 15, from Page 1

gree must choose a concentration to focus on. In addition to the traditionally offered concentrations, Sloan will also offer concentrations in entrepreneurship, marketing, and project management. Students may also propose their own concentration.

The structure of the overhauled Sloan undergraduate program parallels its master’s degree programs (Sloan offers the standard Master’s in Business Administration (MBA) and a Master’s in Finance; a Master’s in Business Analytics is currently making its way through the proposal process).

Chantal Acacio ’18, who is a Course 15 major, explained, “You can now take more classes related to a concentration rather than try-

ing to touch broadly on everything business-related. It gives Course 15ers more freedom to spend time on a specific field.”

The registrar’s office says 52 undergraduates currently major in Course 15, down from 126 in the 2010-2011 academic year and 172 from 1988-1989; Course 15 has seen this decrease in its majors concurrent with increasing enrollment in its classes.

The decline in majors “caused us to think long and hard about our undergraduate program,” Orlin said. To address this, Sloan gathered survey data, interviewed students and alumni, and then explored the possibility of developing three new majors.

“There has been a large demand from finance recruiters for decades. The demand from recruiters

for business analytics is more recent,” Orlin said. “McKinsey Global Institute estimates a shortfall of 140,000 to 190,000 professionals in business analytics and data science by 2018, a 50-60% gap relative to projected 2018 supply.”

The revised 15-1 flex-major, on the other hand, was designed specifically for students who wish to double major in both Sloan and the School of Engineering.

“We also believe that 15-1 will be well-suited for students who want to focus on an area of management not represented by the other majors, such as project management or marketing or entrepreneurship,” Orlin said.

Current Course 15 upperclassmen will complete their degrees in management science; Sloan plans to phase out this degree over

the next few years. Freshmen and sophomores, though, may choose to enroll in one of the new Course 15 majors or the traditional management science program.

Course 15 undergraduates were alerted to the change last October, Acacio said. Graduate students gleaned this information over the summer, so many people were aware of the new system going into the school year.

As for the popularity of each of the new programs, Orlin predicts that “the number of Sloan majors will increase substantially,” potentially to between 75 and 150 per class year.

“Among the minors, I think that the finance minor will be very popular,” Orlin said. “Personally, I think that the biggest increase in majors will be in business analy-

tics. I base this on the positive reactions I have heard from many students as well as the great success that business analytics has had in other universities to which it was introduced.”

In addition to the new major designations, Sloan has also identified many graduate-level subjects that are suited for undergraduates as well. These brand-new courses are numbered in the form 15.xxx1.

“I have heard from lots of faculty at Sloan,” Orlin added. “My personal assessment is that Sloan faculty are now more enthusiastic about MIT undergraduate education than at any other time in my 35 years at Sloan ... if you’ll forgive me for using some very old Boston slang about these new programs, I think that they are wicked awesome.”

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Three from MIT awarded Schwarzman Fellowships

Two MIT students and an alumna claimed three of the just 111 Schwarzman Fellowships awarded to the program’s inaugural class. The new scholarship’s selection process is extremely competitive: 3,000 student applied.

Annabeth Gellman ’13, Alex Springer ’16, and Kelsey Jamieson ’16 each received a scholarship.

Recipients are chosen based on academic achievement, character, and leadership potential.

Billionaire Stephen Schwarzman founded the scholarship with a \$450 million endowment. He told the New York Times he modeled the fellowship after the Rhodes Scholarship.

The scholarship will fully fund each student’s master’s degree at Tsinghua University in China. The fellows will live together in the newly built Schwarzman College.

To narrow down the application pool, the scholarship requires students to complete lengthy applications in which they propose practical solutions to pressing global problems.

Each of the 300 applicants who survive the initial screening are invited to in-person interviews in New York, London, Beijing, or Bangkok.

The interview includes a team competition component in which applicants work together to build Lego towers as well as time for individual scrutiny.

Gellman said she had little interest in fellowships until very recently. When she was a senior at MIT, she was eager to go straight into the workforce.

Eventually, she decided that the application would provide a valuable opportunity for self-reflection. She said her interview was “most intimidating” with the president of Iceland and Schwarzman himself sitting in.

After she finishes the program, Gellman plans to work in the information technology sector. Springer plans produce technologies to advance the developing world. Jamieson will work on solving the energy crisis and advocate for the environment.

— Scott Perry

A sampling of people you’ll meet during a typical dinner at *The Tech*:

- | | |
|--------------------|----------------------|
| Lenny, Course 2 | Samir, Course 16 |
| Michelle, Course 3 | Katherine, Course 17 |
| Jiahao, Course 6 | Claire, Course 18 |
| Patricia, Course 8 | Jack, Course 19 |
| Vivian, Course 9 | Tara, Course 20 |
| Amy, Course 10 | Mirny, Course 21 |
| Vince, Course 12 | Karleigh, CMS |
| Fiona, Course 14 | Alex, Course 22 |

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John Belcher

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Why I'm leaving engineering

Deviating from the engineering mindset at an engineering-driven school

A version of this article was originally published at <https://medium.com/@ckliu95>. Connie Liu is a member of the Class of 2016.

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15-2 Business Analytics
15-3 Finance

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Info Sessions

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Wednesday, January 27: 12-1pm, 10-105

Wednesday, February 3: 7-8pm, E62-221



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