

FALL

A-LAB

15.572 Analytics Lab

A. Almaatouq, S. Aral

Student teams deliver a project using analytics, machine learning, and other methods of analysis to develop results that diagnose, enable, or uncover solutions to real business issues and opportunities.

E-LAB

15.399 Entrepreneurship Lab

P. Cotter, D. Levin, D. Patel

Project-based course in which teams of students from MIT and Harvard work with startups on problems of strategic importance to the venture. Popular sectors include AI, blockchain, software, hardware, robotics, cleantech, and life sciences.

EM-LAB

15.830 Enterprise Management Lab

S. Chatterjee

Lays the foundation for the Enterprise Management (EM-Lab) Track by developing students' ability to apply integrated management perspectives and practices in their roles in large organizations. Student teams work on live integrative projects focused on marketing, operations, and/or strategy in multinationals and emergent innovators in industries such as consumer goods, technology, and healthcare.

FINANCE

15.451 Proseminar in Capital Markets/Investment Management

M. Kritzman

Provides an opportunity for students to work in teams to tackle original problems in capital market analysis and investment management that have been posed by leading experts from the financial community.

15.452 Proseminar in Corporate Finance/Investment Banking

E. Matveyev

Provides an opportunity for students to work in teams to tackle original problems in corporate finance and investment banking that have been posed by leading experts from the financial community.

G-LAB

15.389 Global Entrepreneurship Lab is BACK TO GROWTH LAB (B2G-Lab) FALL 2020

S. Johnson, M. Jester

The COVID-19 pandemic presents unique challenges to entrepreneurs around the globe. In light of our present global circumstances, G-Lab will run as a special edition this year: **B2G-Lab**. As in previous years, B2G-Lab is structured on an interdisciplinary project-based learning course where student teams will gain insights into how, given the current crisis, entrepreneurs in emerging and frontier markets manage their businesses and plan their future growth. Teams will collaborate with external host companies to help them exploit their core capabilities to identify primary drivers of growth, while also helping them manage the constraints limiting their growth. [Learn more on our website.](#)

H-LAB

15.777 Healthcare Lab: Introduction to Healthcare Delivery in the United States

J. Jónasson, A. Quaadgras

Focuses on the business challenges and opportunities to deliver high quality and reasonably priced health services. Topics include healthcare delivery operations---and how they are affected by healthcare reform, alternative payment models, population health perspectives, and social determinants of health. Discussions include practical examples from the ongoing healthcare-related work of Sloan faculty. The course provides a broad perspective on various career paths, such as consulting, entrepreneurship, delivery system management, and digital innovation development. Student teams work directly with a US-based provider, supplier or healthcare-related startup organization on an applied project, which includes remote work during the semester and one week total working remotely with hosts during IAP.

ISRAEL LAB

15.248 Israel Lab : Startup Nation's Entrepreneurship and Innovation Ecosystem

J. Cohen

This project-based course provides students with a deep dive into Startup Nation, applying theory to practice within Israel's innovation and entrepreneurship ecosystem. Lectures address geopolitics, history, military strategy, macroeconomics, finance, entrepreneurship and innovation, leadership, and team dynamics. Student teams partner with senior management at Israeli startups, working remotely with them for two weeks during IAP.

SPRING

CHINA LAB

15.225 Modern Business in China

J. Grant

Provides an integrated approach to analyze the economy of China. The classroom portion covers modern history, economics, and politics in China that shape the business environment, cases of companies entering or operating in the Chinese market, as well as project-related issues and personal and learning reflections. Includes a two-day mini-trek that introduces students to business opportunities and challenges in China. Projects are focused in dynamic sectors such as artificial intelligence, the sharing economy, social media, health care, energy, and manufacturing.

E-LAB

15.399 Entrepreneurship Lab

P. Cotter, D. Levin, D. Patel

Project-based course in which teams of students from MIT and Harvard work with startups on problems of strategic importance to the venture. Popular sectors include AI, blockchain, software, hardware, robotics, cleantech, and life sciences.

EMBA GLOBAL LABS

15.708 GO-Lab

H. Samel, S. Krusell

Focuses on strategic and organizational challenges of international scaling, localization, and cross-border initiatives and integration.

15.704 IDEA Lab

F. Murray, P. Budden

Explores themes of global innovation ecosystems, stakeholders and experimentation/evaluation.

Israel Lab

J. Cohen

Coming soon, Spring 2021.

FIN-LAB

15.453 Finance Lab

G. Rao

Students partner with leading industry practitioners on important business problems, bridging the gap between theory and practice and introducing them to the broader financial community. Practitioners represent a range of financial institutions, including investment management, hedge funds, private equity, venture capital, impact investing, risk, and consulting. Project work takes place during all of IAP.

INDIA LAB

15.226 Modern Business in India

Y. Huang

Provides an integrated approach to analyze the economy of India. The classroom portion covers modern history, economics, and politics in India that shape the business environment, cases of companies entering or operating in the Indian market, as well as project-related issues and personal and learning reflections. Includes a two-day mini-trek that introduces students to business opportunities and challenges in India. Projects are focused in dynamic sectors such as artificial intelligence, the sharing economy, social media, health care, energy, and manufacturing.

OPS-LAB

15.784 Operations Lab

T. Roemer, C. Iacobo

Provides interactive learning in solving operations challenges in small, medium, and large companies across the US and the world. Focus is typically on but not limited to problems in operations strategy, inventory and supply chain management, process improvement, operations analytics, and planning. Lectures focus on project management, methods, team report-outs and discussion. Students involved in sourcing specific projects may receive preferential assignment to them.

PM-LAB

15.785 Digital Product Management Lab

V. Farias

Introduction to product management with an emphasis on its role within technology-driven enterprises. Topics include opportunity discovery, product-technology roadmapping, product development processes, go-to-market strategies, product launch, lifecycle management, and the central role of the product manager in each activity. Exercises and assignments utilize common digital tools, such as storyboarding, wireframe mock-ups, and A/B testing. Intended for students seeking a role in a product management team or to contribute to product management in a new enterprise.

S-LAB

15.915 Laboratory for Sustainable Business

J. Jay, B. Patten, J. de Zegher, J. Sterman

Students apply concepts, theories, and tools of sustainability working with host organizations on management projects during the semester. Classroom lectures and simulations give greater depth in techniques for managing sustainability. Topics include the business case for sustainability, evaluating the environmental impact of products and services, assessing certification programs, and building collective action for change to advance sustainability.

USA LAB

15.679 Bridging the American Divides

B. Dyer, L. Hafrey, C. McDowell

Hands-on exploration of community revitalization in America's rural regions, small towns, and small to mid-sized cities. With a focus on work, community and culture, this Action Learning lab is a mix of rigorous classroom discussions, research, and team projects with community development organizations.

● Offered both terms

● Includes IAP

● Includes SIP credit



MIT SLOAN ACTION LEARNING / AY2020-2021 / Labs at a Glance: Fall Lab Updates

ACTION LEARNING LAB	TERM	UNITS	ELIGIBLE STUDENTS	PREREQUISITES	BID/APPL	TRAVEL	INDUSTRIES/COMPANIES/PROJECTS	AY2020-21 v.2.2
A-LAB 15.572 Analytics Lab	Fall	9	All MIT students, with permission of instructor		Application		Company profile: organizations of any industry or size interested in using analytics to solve a business problem or advance an innovation Sample sectors: big data as a service, sports analytics, fraud detection, finance, e-commerce, medical supply chains, workplace safety, global health Sample projects: Amazon, Boston Public Schools, Dell Services, eBay, Gates Foundation, GE Transportation, IBM Watson, LinkedIn, MasterCard, Nasdaq	
CHINA LAB 15.225 Modern Business in China	Spring	12	First or second year Sloan MBAs, MFin, MSMS; other grad students considered on a case by case basis		Bid	SIP + Spring break	Company profile: entrepreneurial SMEs, Chinese and global multinationals, social businesses Sample sectors: artificial intelligence, the sharing economy, social media, health care, energy, and manufacturing Sample projects: creating a business plan for fundraising, developing a new market strategy, assembling financial models	
E-LAB 15.399 Entrepreneurship Lab	Fall + Spring	12	All Sloan, MIT, Harvard, and Wellesley grad students		Bid		Company profile: tech-intensive, IP and science-based, early-stage startups Sample sectors: AI, blockchain, software, hardware, robotics, cleantech, life sciences	
EM-LAB 15.830 Enterprise Management Lab	Fall	6	First-year Sloan MBA students enrolled in the Enterprise Management Track	Corequisite: 15.810, 15.761 or 15.900	Bid		Company profile: Leading multinationals and innovators in emergent space in both the for-profit and non-profit sectors Sample sectors: automobiles, consumer goods/retail, healthcare, retail, technology, telecom, sporting goods, design, finance Sample projects: BMW, Wayfair, GE Healthcare, SAP, Rave Mobile, iSlide, IDEO, NASDAQ, Citi	
EMBA GLOBAL LABS Israel Lab 15.708 GO-Lab 15.704 IDEA Lab	Spring	TBD 15 15	MIT Executive MBAs only		Bid	1 wk in March	Israel Lab: Coming soon, Spring 2021 GO-Lab: Projects investigate international business challenges with multinational organizations. Sample projects: AB InBev, Corteva, Ferrovial, Pega Systems IDEA Lab: Projects explore themes of global innovation ecosystems, stakeholders and experimentation. Sample projects: Philips Healthcare, Oracle	
FINANCE 15.451 Proseminar in Capital Markets/ Investment Management 15.452 Proseminar in Corporate Finance/ Investment Banking 15.453 Finance Lab	Fall Fall IAP + Spring H3	6 6 9	Proseminars: All Sloan grad students, other MIT students. MIT only Fin-Lab: Preference given to Sloan MFin and MBA students. MIT only	Prerequisites: 15.451-15.401 or equivalent 15.452-15.402 or equivalent 15.453-15.401 or equivalent	Bidding Bidding Application		Company profile: leading finance industry practitioners investment management, hedge funds, private equity, venture capital, impact investing, risk, consulting Capital Markets sample projects: tail-risk hedging; fixed income arbitrage; portfolio construction and risk management; hedging inflation risk Corporate Finance sample projects: value a wind farm acquisition; structure a deal for a new tranche of equity in private venture; develop a financing strategy for city investments in neighborhood development Fin-Lab sample projects: VC valuation; PE deal sourcing; equity trading strategies; emerging markets debt research, macro risk regimes analysis; impact investing in private and public markets.	
G-LAB 15.389 Global Entrepreneurship Lab is B2G-Lab Fall 2020	Fall	12	All Sloan, MIT, Harvard, and Wellesley grad students		Bid		Company profile: SME startups, high-growth companies, nonprofits Sample sectors: microfinance, agribusiness, digital media, textiles, high tech, internet, telecom, medical devices, venture capital, transportation Sample projects: new market entry, strategy, HR, marketing, financial modeling	
H-LAB 15.777 Healthcare Lab	Fall + IAP	15	All Sloan, MIT, Harvard, and Wellesley grad students with completed prerequisites or permission of instructor	Prerequisite: 15.060, 15.761 or permission of instructor	Bid		Company profile: organizations dealing with the business challenges of healthcare delivery and healthcare systems changes Sample sectors: hospitals, clinics, startups, other healthcare organizations Sample projects: operations, management, IT, marketing, organizational dynamics	
INDIA LAB 15.226 Modern Business in India	Spring	12	First or second year Sloan MBAs, MFin, MSMS; other grad students considered on a case by case basis		Bid	SIP + Spring break	Company profile: entrepreneurial SMEs, Indian and global multinationals, social businesses Sample sectors: artificial intelligence, the sharing economy, social media, health care, energy, and manufacturing Sample projects: creating a business plan for fundraising, developing a new market strategy, assembling financial models	
ISRAEL LAB 15.248	Fall H2 + IAP	9	All Sloan grad students, other MIT grad students, undergraduate students with permission of instructor		Bid		Company profile: early-stage and growing Israeli startups Sample sectors: AI, analytics, agtech, cleantech, cybersecurity, ed-tech, fintech, healthcare, IoT, life sciences, robotics Sample projects: computer vision tech in agriculture, medical devices, emergency response technology, AI for smart cities, oil flow data marketing, social analytics	
OPS-LAB 15.784 Operations Lab	Spring	9	Sloan MBAs, LGOs and other Sloan and MIT grad students	Corequisite: 15.761	Application	Weekly in Boston area; SIP week for non-local	Company profile: operations problems in a wide variety of companies ranging from small companies in the Boston area to multinationals overseas Sample sectors: operations companies such as manufacturers, retailers, and health care Sample projects: supply chain network design, long-range sourcing strategy, inventory policy, cycle time analysis and improvement, product design and deployment.	
PM-LAB 15.785 Digital Product Management Lab	IAP + Spring	6			Bid		Company profile: Sample sectors: Sample projects:	
S-LAB 15.915 Laboratory for Sustainable Business	Spring	12	All Sloan grad students, other MIT grad students		Bid		Company profile: premier companies and NGOs tackling systemic challenges in sustainability, and aligning with business strategy Sample sectors: apparel (Patagonia, Gap), industrial (Lockheed Martin, Toyota), financial/ESG (Arabesque, Breckinridge), NGO (EDF, WRI, Rare) Sample projects: market analysis for sustainability-oriented product; evaluate operational options for recycling; decide among certification systems	
USA LAB 15.679 Bridging the American Divides	Spring	9	All Sloan and MIT grad students		Bid	2 wks in March	Company profile: community-based foundations or other organizations located in regions across the U.S. Sample sectors: economically isolated small towns and rural regions in the U.S. Sample projects: research the effects of COVID-19 on a region's immigrant population; identify methods to establish a region-specific index fund	

LEARNING + LEADING
BEYOND THE CLASSROOM