

FALL**A-LAB****15.572 Analytics Lab**
A. Almaatouq, S. Aral

This course allows students to design and deliver a project based on the use of analytics, machine learning, large data sets, or other digital innovations to create or transform a business or other organization. Teams may be paired up with an organization or propose their own ideas and sites for the project. The course culminates with presentation of results to an audience that includes IT experts, entrepreneurs, and executives.

E-LAB**15.399 Entrepreneurship Lab**
K. Hickey, K. Boucher, D. Patel

In this class, students work with startups on problems of strategic importance to the venture. The goal is for students to gain experience with fast-paced startup companies and to apply their academic knowledge to the problems faced by entrepreneurial firms in a context of uncertainty, extreme time pressures, and decision making based on limited information. Popular sectors include AI solutions, software, hardware, robotics, clean technology, consumer products, and healthcare technologies. Meets with 15.3991 when offered concurrently. This course is offered in both fall and spring semesters.

FINANCE**PROSEMINARS****15.451 Proseminar in Capital Markets/Investment Management**
M. Kritzman

This class provides a unique opportunity to tackle original research problems in capital market analysis and investment management that have been posed by leading experts from the financial community. Teams present their solutions at a seminar which is attended by representatives of the sponsoring organization and open to the entire MIT community.

15.452 Proseminar in Corporate Finance, Investment Banking, and Private Equity
E. Matveyev

This course allows students to work on projects sponsored by leaders in corporate finance, investment banking, and private equity. Students work in multi-disciplinary teams (combining MFin, MBA, and Sloan Fellows) to analyze and problem-solve, culminating in reports which the teams present to sponsors for evaluation and feedback.

FALL/IAP**EM-LAB****15.830 Enterprise Management Lab**
S. Chatterjee

This course lays the foundation for the Enterprise Management 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. The goal is to help students adopt a holistic cross-functional approach to addressing business challenges.

G-LAB**15.389 Global Entrepreneurship Lab**
S. Johnson, M. Jester

This course is a practical, hands-on study of the climate for innovation and determinants of entrepreneurial success in emerging and frontier market economies. Students work on teams in close collaboration with companies' top leadership, gaining experience in running and building a new enterprise by tackling critical, real-world business management problems. After their preliminary investigation of the business challenge, teams travel to work onsite with their hosts to test and begin implementing their recommendations.

H-LAB**15.777 Healthcare Lab: Introduction to Healthcare Delivery in the United States**

J. Jónasson, A. Quaadgras

This class focuses on the business challenges and opportunities to deliver high-quality and reasonably-priced health services. Topics include aspects of healthcare delivery operations and how they are affected by healthcare reform policies, alternative payment models, population health perspectives, and social determinants of health. Discussions include examples from the ongoing healthcare-related work of Sloan faculty, as well as the potential for analytics and digitization to impact healthcare delivery. Student teams work with a provider, supplier or healthcare-related startup organization on an applied project.

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

J. Cohen

This course studies Israel's innovation and entrepreneurial ecosystem. It provides context about the country and its social and geopolitical issues as they pertain to business in Israel. During IAP, student teams work with Israeli host organizations on complex problems in critical areas, such as big data/analytics, computing technologies, life sciences, robotics, Fintech, and cybersecurity, with an emphasis on early stage ventures and their growth. Provides students an opportunity to engage directly with startup CEOs and venture capitalists.

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MIT SLOAN ACTION LEARNING / FALL 2023 AND IAP 2024 / Labs at a Glance

ACTION LEARNING LAB	TERM	UNITS	ELIGIBLE STUDENTS	PREREQUISITES	BID/APPL	TRAVEL	INDUSTRIES/COMPANIES/PROJECTS	AY2023-24 v.1
A-LAB 15.572 Analytics Lab	Fall	9	All MIT Sloan and MIT graduate students with permission of instructor	No	Application	No	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	
E-LAB 15.399 Entrepreneurship Lab	Fall, Spring	12	All MIT Sloan, MIT, Harvard, and Wellesley graduate and undergraduate students	No	Bid	No	Company profile: early-stage startups Sample sectors: artificial intelligence, blockchain, software, hardware, consumer products, robotics, cleantech, life sciences, healthcare Sample projects: solving a key strategic problem, primary market research, financial modeling, finding a beachhead market for a new technology	
EM-LAB 15.830 Enterprise Management Lab	Fall + IAP	9	First-year MIT Sloan MBA and SFMBA students enrolled in the Enterprise Management Track	Corequisites: 15.810, 15.761, or 15.900	Bid	No	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	
FINANCE PROSEMINARS 15.451 Proseminar in Capital Markets/Investment Management	Fall	6	MIT Sloan and MIT graduate students only	Prerequisites: 15.401 or equivalent	Bid	No	Company profile: leading finance industry practitioners investment management, hedge funds, private equity, venture capital, impact investing, risk, consulting Sample projects: tail-risk hedging; fixed income arbitrage; portfolio construction and risk management; hedging inflation risk	
FINANCE PROSEMINARS 15.452 Proseminar in Corporate Finance, Investment Banking, and Private Equity	Fall	9	MIT Sloan and MIT graduate students only	No	Application	No	Company profile: leading investment banks, private equity firms, corporate finance divisions of startup firms, management consulting firms with projects focused on corporate finance and strategy 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	
G-LAB 15.389 Global Entrepreneurship Lab	Fall + IAP	12	MIT Sloan MBA and LGO second-year students. Other graduate students by permission only	No	Bid	International travel during IAP	Company profile: SME startups, scale-ups; high-growth companies in emerging and frontier markets 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: Introduction to Healthcare Delivery in the United States	Fall + IAP	15	All MIT Sloan, MIT, Harvard, and Wellesley students with completed prerequisites or permission of instructor	Prerequisites: 15.060, 15.761, or permission of instructor	Bid	No	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	
ISRAEL LAB 15.248 Startup Nation's Entrepreneurship and Innovation Ecosystem	Fall + IAP	12	All MIT Sloan and MIT graduate students. Undergraduate students with permission of instructor	No	Bid	Travel to Israel during IAP	Company profile: early-stage and growing Israeli startups Sample sectors: artificial intelligence, analytics, agtech, cleantech, cybersecurity, edtech, 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	