Fall LAB

A-LAB 15.572 Analytics Lab
A. Almeida, 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 stakeholders that includes input from 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 All solutions, software, hardware, robotics, clean technology, consumer products, and healthcare technologies. Meets with 15.597 when offered concurrently. This course is offered in both fall and spring semesters.

Finance LAB

15.453 Preseminar 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.

15.453 Preseminar in Corporate Finance / Investment Banking
E. Matveyev
This course helps students to work on projects sponsored by leaders in corporate finance, investment banking, and private equity. Students work in multi-disciplinary teams (combining MFE, 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 strategy in multinational 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. Jaeter
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. Johnson, A. Arora
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, Medicare and Medicaid payment models, population health perspectives, and social determinants of health. Discussions include elements from the ongoing healthcare-related work of Sloan Fellows, 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 : Startups 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.

IAP / SPRING

FIN-LAB 15.453 Finance Lab
G. Rao, B. Virotic
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.

PM-LAB 15.786 Digital Product Management Lab
V. Farkas
This course is an introduction to product management with an emphasis on its role within technology-driven enterprises. Topics include opportunity discovery, product-market roadmapping, product development processes, go-to-market strategies, product launch, lifecycle management, and the central role of the product manager in every activity. Exercises and assignments utilize common digital tools such as storyboarding, wireframe mock-ups, and A/B testing. Intended for students working in a product management team or to contribute to product management in a new enterprise.

Spring LAB

ASEAN LAB 15.xxx Economy and Business in Southeast Asia
Y. Huang, J. Grat
This class explores current issues in Southeast Asia’s political economy and business with a focus on key challenges that global managers need to consider as they define strategies and navigate their relationships with the local environment and the broader issue of China’s influence in the region. The course will use case studies, lectures, class discussion, guest panelists, and student projects to characterize the landscape and explore lesser-known multinational and domestic businesses engaged in the region. Student teams will work with companies primarily focused on strategy and business development issues in Thailand, Vietnam and Indonesia for the initial class in Spring 2023.

CHINA LAB 15.225 Economy and Business in China
Y. Huang, J. Grat
This class explores current issues in China’s political economy and business with a focus on key challenges that global managers need to consider as they define strategies and navigate their relationships with the local environment. The course uses case studies, lectures, class discussion, guest panelists and student projects to characterize the landscape and explore lesser-known multinational and domestic businesses engaged with China. Student teams will work with a China-based company to tackle a critical management challenge.

E-LAB 15.399 Entrepreneurship Lab
K. Hickey, K. Boucher, D. Patel
This course is offered between semesters. See full description.

EMBA Global Labs

EMBA 15.708 GO-Lab
S. Krossel, H. Samal
This course focuses on strategic and organizational challenges of international scaling, localization, and cross-border initiatives and integration.

15.704 IDEA Lab
P. Budden
This course explores themes of global innovation ecosystems, stakeholders and experimentation/evaluation.

15.566 Israel Lab
J. Cohen
This course provides Executive MBA students with a deep dive into Startups 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. EMBA student teams partner and work remotely with senior management at Israel startups.

OPS-LAB 15.744 Operations Lab
T. Roemer, C. Jacob
This course provides interactive learning in solving operational 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 project write-ups and discussions. Students involved in sourcing specific projects may receive preferential assignment to them.

ORGS-LAB 15.335 Organizations Lab
N. Repenning, B. Alkin
This class addresses the question of how individuals can transform organizations and the communities in which those organizations reside. The centerpiece of the course is a semester-long project in which students start a local nonprofit organization in improving its efficiency and effectiveness. Recognizing that more corporate leaders are committing to deliver value to all their stakeholders, the goal is to build students’ ability to link their leadership priorities and specific interventions to longer transformations, and build their capability to transform both their organization and career.

S-LAB 15.913 Laboratory for Sustainable Business
J. de Zegher, J. Sweeney, J. Bay, B. Waterman
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
C. McPherson, J. Hoefler
This class is a 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, government organizations, and nonprofits. Projects contribute to strengthening the social and economic fabric of the local communities.