

**FALL**

**A-LAB** 15.572 Analytics Lab  
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 ideas 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  
D. Fotedar

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 software, hardware, robotics, clean technology, and life sciences. Meets with 15.399P when offered concurrently. This course is offered in both fall and spring semesters.

**FINANCE** 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.

**ISRAEL LAB** 15.248 Israel Lab: Startup Nation’s Entrepreneurship and Innovation Ecosystem  
J. Cohen

This course studies Israel’s innovative and entrepreneurial ecosystem. It provides context about the country and its social and geopolitical issues as they partner to business in Israel. During IAP, student teams work with Israel host organizations on complex problems in critical areas, such as big data/analytics, computing technologies, life sciences, robotics, finance, 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.

**JAP/SPRING**

**FIN-LAB** 15.453 Finance Lab  
G. Raj

Students partner with leading industry practitioners on important business problems, bridging the gap between theory and practice of 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** 15.783 Digital Product Management Lab  
V. Fanara

This course is an introduction to product management with an emphasis on its role within technology-driven enterprises. Topics include opportunity discovery, product-roadmap development, 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. Instead for students seeking a role in a product management team or to contribute to product management in a new enterprise.

**SPRING**

**BLOCKCHAIN LAB** 15.217 Blockchain Lab  
S. Johnson, G. Gelfand, N. Nanda

This course is designed to involve students in the latest developments as companies attempt to integrate blockchain technology into viable business models. The course is a part of the MIT Digital Currency Initiative (MIT Media Lab), MIT Sloan, and leading, global, forward-looking organizations. Students work with companies to manage, gain experience with fast-paced startup companies, and 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. This Action Learning lab is a mix of rigorous classroom preparation and problem solving, culminating in reports which the teams present in a group setting for evaluation and feedback.

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

This course is a practical study of the climate for innovation and determinants of entrepreneurial success. Teams of students work with companies to gain experience in running and building a new enterprise, focusing primarily on startups operating in emerging markets.

**FALL/JAP**

**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 class provides students a holistic cross-functional approach to addressing business challenges.

**H-LAB** 15.777 Healthcare Lab: Introduction to Healthcare Delivery in the United States  
J. Jimison, A. Quraadagga

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 digital disruptive technologies to impact healthcare delivery. Student teams work with a provider, supplier or healthcare-related startup organization on an applied project.

**INDIA LAB** 15.226 Adversity and Resilience: India Lab  
N. Huang, M. Wehner

This class provides an integrated approach to understanding India’s business environment, while exploring the underlying drivers of resilience. Through projects, case studies, guest speakers and class discussions, the course examines the performance of firms and their relationship to the greater Indian economic, political and social context in which they operate. Classes will cover macroeconomics, entrepreneurship, the Indian consumer, entertainment, and other topics. The projects explore sectors such as artificial intelligence, the sharing economy, social media, healthcare, and sustainability.

**OPS-LAB** 15.784 Operations Lab  
T. Roemer, C. Isacoo

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 report-outs and discussions. Students involved in sourcing specific projects may receive preferential assignment to them.

**ORGs-LAB** 15.518 SSIM Organizations Lab  
N. Repenning, B. Akim

This class addresses the question of how individuals can transform organizations and the communities in which they thrive. The course uses the case of A Rickshaw, a semester long project in which students assist a local nonprofit organization in improving its efficiency and effectiveness. Recognizing that the leaders are currently delivering value to all stakeholders, the goal is to build students’ ability to link their leadership priorities and specific interventions to larger transformations, and build their capability to transform both their organization and career.

**S-LAB** 15.915 Laboratory for Sustainable Business  
J. Bay, B. Patten, J. de Zegher, J. Stevan

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, managing certification programs, and building collective action for change to achieve sustainability.

**USA LAB** 15.679 Bridging the American Divide  
B. Oyer, L. Hufsy, C. McDowell

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.

**MIT SLOAN ACTION LEARNING / AY2021-2022: Fall Lab Updates**

**MIT Sloan Action Learning**
Sloan MBAs, LGOs and other Sloan and Harvard students will work with early-stage and growing Israeli startups. Sample projects: Boston Consulting Group, Monetary Authority of Singapore, Fidelity Investments.

Sample projects: research the effects of COVID-19 on a region's immigrant population; identify methods to establish a region-specific index fund.

Sample sectors: automobiles, consumer goods/retail, healthcare, retail, technology, telecom, sporting goods, design, finance.

Sample projects: creating a business plan for fundraising, developing a new market strategy, assembling financial models.

Sample sectors: big data as a service, sports analytics, fraud detection, finance, e-commerce, medical devices, emergency response technology. All for smart cities, or flow data marketing, social analytics.

Sample sectors: apparel (Patagonia, Gap), industrial (Lockheed Martin, Toyota), financial/ESG (Arabesque, Breckinridge), NGO (EDF, WRI, Rare).

Sample projects: operational problems in a wide variety of companies ranging from small companies in the Boston area to multinationals overseas.

Sample sectors: early-stage and growing Israeli startups.

Sample projects: solar projects in Morocco, water quality projects in India, renewable energy projects in China.

Sample sectors: artificial intelligence, blockchain, software, hardware, robotics, cleantech, life sciences.

Sample organizations include leading multinationals and innovators in emergent space in both the for-profit and non-profit sectors.

Sample projects: supply chain network design, long-range sourcing strategy, inventory policy, cycle time analysis and improvement, product design and deployment.

Sample projects: creating a business plan for fundraising, developing a new market strategy, assembling financial models.

Sample sectors: operations companies such as manufacturers, retailers, and healthcare.

Sample projects: supply chain network design, long-range sourcing strategy, inventory policy, cycle time analysis and improvement, product design and deployment.

Sample sectors: Apple, Walmart, GE Healthcare, SAP, Cognizant, IBM, SAP, Amazon, UPS, Visa, MasterCard, American Express.

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Sample sectors: Biogen, Celgene, Genentech, Gilead, Genzyme, Sanofi, Novartis, Roche, Amgen, Eli Lilly, Janssen, Merck.

Sample sectors: baseball analytics; investment in neighborhood development; healthcare; real estate; healthcare; sustainability.

Sample sectors: retail, technology, telecom, sporting goods, design, finance.

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Sample sectors: artificial intelligence, blockchain, software, hardware, robotics, cleantech, life sciences.

Sample sectors: automobiles, consumer goods/retail, healthcare, retail, technology, telecom, sporting goods, design, finance.

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