








SHORT PROGRAMS












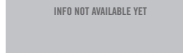






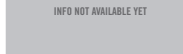






















2018 COURSES LISTINGS

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| | | | | | |
|---------------------|---|--|------------|---|--|
| CERTIFICATES |  Innovation & Technology |  Machine Learning and Artificial Intelligence | KEY |  Fundamentals |  Industry Applications |
| |  Real Estate Finance & Development | | |  Latest Developments |  Other (specific to course) |

|  Biotechnology & Pharmaceuticals | Instructor(s) | Date | Price | Content Focus |
|---|---|--------------------|--------------|---|
| Controlled Release Technology: Delivery Systems for Pharmaceuticals and Other Agents | Robert Langer | July 9 - 13 | \$3,400 |  |
| Downstream Processing | Charles Cooney | July 30 - August 3 | \$4,750 |  |
| Fermentation Technology | Daniel Wang, Kristala Prather | July 23 - 27 | \$4,750 |  |
| Formulation and Stabilization of Biotherapeutics | Bernhardt Trout | June 11 - 13 | \$2,700 |  |
| Quantitative Cardiorespiratory Physiology and Clinical Applications for Engineers | Thomas Heldt, Roger Mark | June 11 - 15 | \$4,750 |  |
|  Computer Science | Instructor(s) | Date | Price | Content Focus |
| Applied Cybersecurity | John Williams, Abel Sanchez | June 25 - 29 | \$4,950 |  |
| MIT Master Trainers Program in Educational Mobile Computing | Hal Abelson | July 30 - August 1 | \$3,575 |  |
|  Data Modeling & Analysis | Instructor(s) | Date | Price | Content Focus |
|  Advanced Machine Learning for Big Data and Text Processing | Regina Barzilay, Tommi Jaakkola, Stefanie Jegelka | June 20 - 22 | \$3,000 |  |
| Data and Models: Regression Analytics | Frank Dale Morgan | July 9 - 13 | \$3,850 |  |
| Design and Analysis of Experiments | Paul Berger | July 30 - August 3 | \$3,850 |  |
|  Designing Efficient Deep Learning Systems | Vivienne Sze | July 23 - 24 | \$2,500 |  |
| Discrete Choice Analysis: Predicting Demand and Market Shares | Moshe Ben - Akiva | June 18 - 22 | \$4,700 |  |
|  Machine Learning for Big Data and Text Processing: Foundations | Regina Barzilay, Tommi Jaakkola, Stefanie Jegelka | June 18 - 19 | \$2,000 |  |
|  Machine Learning for Healthcare | David Sontag | July 16 - 17 | TBD |  |
|  Modeling and Optimization for Machine Learning and Applications | Justin Solomon, Suvrit Sra | July 16 - 20 | \$4,700 |  |
| Modeling and Simulation of Transportation Networks | Moshe Ben-Akiva | July 23 - 27 | \$3,600 |  |
| People Analytics: Transforming Management with Behavioral Data | Alex Pentland, Ben Waber | July 9 - 11 | \$3,200 |  |
|  Understanding and Predicting Technological Innovation: New Data and Theory | Jessika Trancik | July 23 - 27 | \$3,900 |  |
|  Design & Manufacturing | Instructor(s) | Date | Price | Content Focus |
|  Additive Manufacturing: From 3D Printing to the Factory Floor | John Hart | July 23 - 27 | \$4,900 |  |
| Computational Design for Manufacturing | Wojciech Matusik | July 16 - 18 | \$3,000 |  |
| Design of Electric Motors, Generators, and Drive Systems | James Kirtley, Steven Leeb | June 18 - 22 | \$4,125 |  |
| High-Speed Imaging for Motion Analysis: Systems and Techniques | James Bales | June 18 - 21 | \$3,100 |  |
|  Multiscale Materials Design | Markus Buehler | June 11 - 15 | \$3,650 |  |
|  Precision Engineering Principles for Mechanical Design | Alex Slocum, Nevan Hanumara | June 25 - 29 | \$5,100 |  |
|  Product Platform and Product Family Design: From Strategy to Implementation | Olivier de Weck, Timothy Simpson, Bruce Cameron | July 30 - August 3 | \$4,500 |  |
| Rapid Prototyping Technology | Martin Culpepper | June 18 - 22 | \$5,100* |  |
| Tribology: Friction, Wear, and Lubrication | Nannaji Saka, Nam Pyo Suh | June 25 - 29 | \$3,650 |  |

*Please note: Prices may occasionally change. Please check professional.mit.edu for the latest information.

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2018 COURSES LISTINGS



PROFESSIONAL EDUCATION

Short Programs



| ⚡ Energy & Sustainability | Instructor(s) | Date | Price | Content Focus |
|---|-----------------------------------|--------------------|---------|------------------------|
| 📍 Beyond Smart Cities | Kent Larson | June 25 - 27 | \$3,400 | |
| Climate Change: From Science to Solutions | Noelle Selin, Daniel Cziczo | July 30 - August 3 | \$3,300 | |
| Nuclear Plant Safety | Neil Todreas, Benoit Forget | June 11 - 15 | \$3,800 | |
| Technology and Sustainability | Timothy Gutowski | July 9 - 11 | \$3,000 | INFO NOT AVAILABLE YET |
| 💡 Innovation | Instructor(s) | Date | Price | Content Focus |
| Advances in Food Innovation | Markus Buehler | June 18 - 21 | \$3,900 | |
| Humans, Technology, and the Future of Work | Ashley Nunes, Yossi Sheffi | July 16 - 18 | \$2,700 | |
| 📍 Innovation: Beyond the Buzzword | Federico Casalegno | July 16 - 18 | TBD | |
| 📍 Mastering Innovation and Design-Thinking | Joel Schindall, Blade Kotelly | July 9 - 11 | \$3,400 | |
| 📍 Organizations, Innovation, and Technology: Putting Ideas to Work | Sanford Weiner, Richard Cohen | June 18 - 22 | \$4,100 | |
| 📍 Radical Innovation | Sanjay Sarma | June 11 - 13 | \$3,000 | |
| 📍 The Invention Process: Invention in the Context of Innovation | Emanuel Sachs | July 30 - August 3 | \$4,750 | |
| 🗣️ Leadership & Communication | Instructor(s) | Date | Price | Content Focus |
| Crisis Management and Business Continuity | Steve Goldman, Richard Larson | July 23 - 27 | \$3,700 | |
| 📍 Engineering Leadership for Emerging Leaders | David Niño, Joel Schindall | July 16 - 20 | \$5,250 | |
| Leadership Skills for Engineering and Science Faculty | Charles Leiserson, Chuck McVinney | June 11 - 12 | \$1,750 | |
| 📍 Persuasive Communication for Technology Professionals | Edward Schiappa | July 9 - 13 | \$4,400 | |
| 🏠 Real Estate | Instructor(s) | Date | Price | Content Focus |
| 🏠 Commercial Real Estate Development | Chris Gordon, Tod McGrath | June 18 - 20 | \$4,500 | |
| 🏠 Evaluating Real Estate Markets | William Wheaton | June 13 | \$1,500 | |
| 🏠 Global Real Estate Markets | Albert Saiz | June 21 - 22 | \$3,000 | |
| 🏠 Real Estate Finance: Advanced | David Geltner | June 14 - 15 | \$3,000 | |
| 🏠 Real Estate Finance: Fundamentals | Walter Torous | June 11 - 12 | \$3,000 | |
| ⚙️ Other | Instructor(s) | Date | Price | Content Focus |
| 📍 Advances in Imaging: VR-AR, Machine Learning, and Self-Driving Cars | Ramesh Raskar | July 9 - 12 | \$3,300 | |
| Build a Small Radar System | Patrick Bell | July 23 - 27 | \$4,200 | |
| Principles and Models for System Architecture | Ed Crawley | July 16 - 20 | \$5,100 | |

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