Professional Practice – Distributional Electives

Description
The M.Arch-1 program prepares its graduates for productive careers in architecture and related design fields. To this end, it is important that students develop a clear understanding of the diverse landscape of contemporary practice and the career avenues open to them when they leave Gund Hall. A broad range of Professional Practice topics are introduced in the required course PRO 7212 Foundations of Practice, including practice management, project management, financial considerations, techniques of leadership, and legal and ethical responsibilities to clients, user groups, and the public. In addition to this foundational course, the M.Arch-1 program requires students to earn a minimum of four (4) credit units in courses designated as Professional Practice (Pro Prac) distributional electives. The distributional elective requirement asks students to investigate in greater depth one or more of the following knowledge areas: the history and theory of practice; design team management and collaboration theory; entrepreneurship and innovation; project delivery; and real estate development and finance. The Pro Prac elective aims to increase students’ critical awareness of both conventional and alternative modes of practice and, by developing one or more specialized areas of knowledge, to provoke decisions about the future role(s) students wish to play in the profession and in the world. By developing knowledge and skills in this arena while in school, young architects learn to integrate professionally focused analytical thinking with other forms of design research they conduct at the GSD.

Archive of Past Approved Courses
Note: For a course to count towards a requirement, it must be taken in the year that it was listed as valid.

Spring 2022
5275 Advanced Real Estate Finance
Frank Apeseche
5276 Building and Leading Real Estate Enterprises and Entrepreneurship
Frank Apeseche
5370 Environment, Economics, and Enterprise
Holly Samuelson, Frank Apeseche
5438 Designer Developer
Weijia Song
5490 Affordable and Mixed-Income Housing Development, Finance, and Management
Edward Marchant
6385 Automation in Practice: Building the future of Architecture(s), Engineering, and Construction
Nathan King
7448 Products of Practice: From code to plan to code
Elizabeth Christoforetti

Fall 2021
5204 Real Estate Finance and Development
Richard Peiser, Allan Hamilton
5206 Land Use and Environmental Law
Jerold Kayden
5212 Field Studies in Real Estate, Planning, and Urban Design
Richard Peiser
5215 Analytic Methods of Urban Planning: Quantitative Module [M1]
Carole Voulgaris
5216 Analytic Methods of Urban Planning: Qualitative Module [M2]
Ann Forsyth
7408 Frameworks of Practice
Jacob Reidel
7445 Elements of the Urban Stack
Elizabeth Christoforetti
7449 Real Estate Private Equity [M1]
Frank Apeseche
7450 Real Estate Private Equity [M2]
Frank Apeseche
15.401 Managerial Finance [MIT]
Taha Choukhmane

Spring 2021
5103 Public and Private Development
Jerold Kayden
5275 Advanced Real Estate Finance
Frank Apeseche
5276 Building and Leading Real Estate Enterprises and Entrepreneurship
Frank Apeseche
5370 Environment, Economics, and Enterprise
Holly Samuelson, Frank Apeseche
5385 CoDesign Field Lab Black Belt Study for the Green New Deal
Lily Song
5490 Affordable and Mixed-Income Housing Development, Finance, and Management
Edward Marchant
7444 Non-Professional Practice
Oana Stanescu
7448 Products of Practice: From code to plan to code
Elizabeth Christoforetti

Fall 2020
Spring 2020

5103 Public and Private Development
5275 Advanced Real Estate Finance
Frank Apeseche
5276 Building and Leading Real Estate Enterprises and Entrepreneurship
Frank Apeseche
5370 Environment, Economics, and Enterprise
Holly Samuelson, Frank Apeseche
5490 Affordable and Mixed-Income Housing Development
Edward Marchant
7444 Non-Professional Practice
Oana Stanescu
7447 Landscape Practices
Christopher Reed
7448 Products of Practice: From code to plan to code
Elizabeth Christoforetti
6913 Field Course: Arts and Cultural Entrepreneurship (HBS Course)
Rohit Deshpande, Henry McGee

Spring 2019

5103 Public and Private Development
Jerold Kayden
5201 Urban Politics and Planning (at HKS)
Quinton Mayne
5275 Advanced Real Estate Finance
Frank Apeseche
5276 Building and Leading Real Estate Enterprises and Entrepreneurship
Frank Apeseche
5370 Environment, Economics, and Enterprise
Holly Samuelson, Frank Apeseche
5431 Form+Finance the Design of Real Estate
Bing Wang

Fall 2018

5204 Real Estate Finance and Development
Richard Peiser
5206 Land Use and Environmental Law
Jerold Kayden
5212 Field Studies in Real Estate, Planning, and Urban Design: Miami Beach and Boston
Richard Peiser
5215 Analytic Methods Quantitative (M1)
Michael Hooper
5216 Analytic Methods Qualitative (M2)
Ann Forsyth
5364 Sustainable Real Estate
Jesse Keenan
5431 Form+Finance the Design of Real Estate
Bing Wang
6271 The Innovator’s Practice: Finding, Building, and Leading Good Ideas with Others (at SEAS)  
Beth Altringer

7408 Frameworks of Practice  
Paul Nakazawa

7420 Innovation in Project Delivery  
Mark R. Johnson

7445 Elements of the Urban Stack  
Paul Nakazawa

Spring 2018

5103 Public and Private Development  
Jerold Kayden

5201 Urban Politics and Planning (at HKS)  
Quinton Mayne

5275 Advanced Real Estate Finance  
Frank Apesche

5276 Building and Leading Real Estate Enterprises and Entrepreneurship  
Frank Apesche

5370 Environment, Economics, and Enterprise  
Holly Samuelson, Frank Apesche

5490 Affordable and Mixed-Income Housing Development, Finance, and Management  
Edward Marchant

7443 Scenes of Design, Development, and Disaster  
Todd Reisz

7444 Non-Professional Practice  
Oana Stanesc

Fall 2017

3330 Conservation of Older Buildings; Techniques and Technics  
Robert Silman

5204 Real Estate Finance and Development  
Richard Peiser

5206 Land Use and Environmental Law  
Jerold Kayden

5212 Field Studies in Real Estate, Planning, and Urban Design: Miami Beach and Boston  
Richard Peiser

5215 Analytic Methods of Urban Planning: Quantitative  
Michael Hooper

5216 Analytic Methods: Qualitative  
Ann Forsyth

5364 Sustainable Real Estate  
Jesse Keenan

5492 Real Estate Finance and Development Fundamentals for Public... (at HKS)  
Edward Marchant

7408 Frameworks of Contemporary Practice  
Paul Nakazawa

7420 Innovation in Project Delivery  
Mark R. Johnson

Spring 2017

5103 Public and Private Development  
Jerold Kayden

5201 Urban Politics and Planning (at KSG)  
Quinton Mayne

5275 Advanced Real Estate Finance  
Frank Apesche

5276 Building and Leading Real Estate Enterprises and Entrepreneurship  
Frank Apesche

5370 Environment, Economics, and Enterprise  
Frank Apesche

5490 Affordable and Mixed-Income Housing Development, Finance, and Management  
Edward Marchant

7416 The Practice as Project  
Florian Idenburg

Fall 2016

5204 Real Estate Finance and Development  
Richard Peiser

5206 Land Use and Environmental Law  
Jerold Kayden

5212 Field Studies in Real Estate, Planning, and Urban Design: Miami Beach and Boston  
Richard Peiser

5215 Analytic Methods of Urban Planning: Quantitative  
Michael Hooper

5216 Analytic Methods: Qualitative  
Ann Forsyth

5364 Sustainable Real Estate  
Jesse Keenan

5431 Form+Finance: the Design of Real Estate  
Wang, Gamble

5492 Real Estate Finance and Development Fundamentals for Public... (at HKS)  
Edward Marchant

6271 The Innovative Practice: Finding, Building, and Leading Good Ideas with Others  
Beth Altringer

7408 Frameworks of Contemporary Practice  
Paul Nakazawa

7420 Innovation in Project Delivery  
Mark R. Johnson

Spring 2016

5103 Public and Private Development  
Laura Wolf-Powers

5370 Environment, Economics, and Enterprise  
Samuelson, Apesche

6328 Interdisciplinary Design Practice  
Kara, Georgoulias

5275 [M3] Advanced Real Estate Finance  
Richard Peiser

5276 [M4] Building and Leading Real Estate Enterprises and Entrepreneurship  
Frank Apesche

Fall 2015

5204 Real Estate Finance and Development  
Richard Peiser
Spring 2015
5103 Public and Private Development
5307 Environment, Economics, and Enterprise
6328 In search of Design through Engineers
7417 Design Competitions
7420 Innovation in Project Delivery
7405 Global Leadership in Real Estate and Design
5275 [M3] Advanced Real Estate Finance
5276 [M4] Building and Leading Real Estate Enterprises and Entrepreneurship

Fall 2014
5204 Real Estate Finance and Development
5206 Land Use and Environmental Law
6271 The Innovative Practice Finding, Building, and Leading Good Ideas with Others
7408 Contemporary Frameworks of Practice
7410 The Architect in History The Evolution of Practice from Renaissance to Present

Spring 2014
5103 Public and Private Development
6328 In search of Design through Engineers
7416 The Practice as Project
7417 Design Competitions

Fall 2013
5204 Real Estate Finance and Development
5206 Land Use and Environmental Law
6271 The Innovative Practice Finding, Building, and Leading Good Ideas with Others (at SEAS)
7408 Contemporary Frameworks of Practice
7410 The Architect in History The Evolution of Practice from Renaissance to Present

Spring 2013
6328 In search of Design through Engineers
7415 Project Delivery
7440 Leading the Design Firm

Fall 2012
5204 Real Estate Finance and Development
7408 Contemporary Frameworks of Practice
The Architect in History The Evolution of Practice from Renaissance to Present
Design and Development from Concept to Implementation

Spring 2012
5103 Public and Private Development
5215 Analytic Methods of Urban Planning Quantitative (2 units)
5216 Analytic Methods Qualitative (2 units)
5303 Advance Real Estate Development and Finance
5319 Urbanization and International Development
5343 Disaster Field Lab
5430 Public Approvals for Private Development Projects (2 units)
5431 Building Design Typologies and Operational Principles of Real Estate (2 units)
5469 Environmental Planning and Sustainable Development...
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<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
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<td>5473</td>
<td>Housing Policy in the United States</td>
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<td>Affordable and Mixed-Income Housing Development, Finance, and Management</td>
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<td>Transforming Cities in Emerging Economies</td>
<td>Diane Davis</td>
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<td>In Search of Design Through Engineers</td>
<td>Hanif Kara, Andreas Georgoulias</td>
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<td>7309</td>
<td>Sustainable Cities Urbanization, Infrastructure, and Finance (2 units)</td>
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<td>Macomber, Gordon, Kohn</td>
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<td>9116</td>
<td>Cultural Tourism in the Al-Turat World Heritage Site, Saudi</td>
<td>Richard Peiser, Bing Wang</td>
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**Fall 2011**

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<td>Jose Gomez-Ibanez</td>
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<td>Planning and Environmental Law</td>
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<td>James Stockard</td>
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<td>Andreas Georgoulias</td>
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<td>Advanced Real Estate Development and Finance and Operational Principles of Real Estate</td>
<td>Richard Peiser, Bing Wang</td>
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<td>Andreas Georgoulias, Hanif Kara</td>
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<td>Building Information Models</td>
<td>Michael Schroeder</td>
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<td>Leading the Design Firm</td>
<td>Richard Jennings, Brian Kenet</td>
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<td>Urban Politics, Planning, and Development</td>
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<td>Markets and Market Failure</td>
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<td>Richard Peiser</td>
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<td>Richard Jennings</td>
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<td>A New Framework for Practice</td>
<td>Paul Nakazawa</td>
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<td>Jay Wickersham</td>
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<td>Design and Development from Concept to Implementation</td>
<td>Andreas Georgoulias, Spiro Pollalis</td>
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<td>HBS2166</td>
<td>Operations Strategy</td>
<td>Robert S. Huckman, Daniel C. Snow</td>
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<td>Brian W. Blaesser</td>
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<td>5303</td>
<td>Advanced Real Estate Development and Finance and Operational Principles of Real Estate</td>
<td>Frank Apeseche, Glen Mueller</td>
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<td>Building Design Typologies and Operational Principles of Real Estate</td>
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<td>5475</td>
<td>Design of Housing in the United States</td>
<td>Leland Cott</td>
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<td>Building Information Models</td>
<td>Michael Schroeder</td>
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<td>The Bilbao Guggenheim Museum Topics in Project Management</td>
<td>Spiro Pollalis, Luis Rodriguez</td>
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<td>Strategy, Sustainability, and Finance</td>
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<td>7413</td>
<td>Integrated Project Delivery</td>
<td>Richard Jennings</td>
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Fall 2009
3432 Global Redesign Project  Toshiko Mori
5201 Urban Politics, Planning, and Development  Alan Altshuler
5203A Markets and Market Failure  Joseph Kalt
5203B Markets and Market Failure  Jose Gomez-Ibanez
5204 Real Estate Development and Finance  Richard Peiser
5206 Planning and Environmental Law  Brian Blaesser
5476 Housing Delivery Systems in the United States  James Stockard
7407 Managing the Design Project  Richard Jennings
7408 A New Framework for Practice  Paul Nakazawa
7410 The Architect in History  The Evolution of Practice... Renaissance to the Present  Jay Wickersham
7411 Design and Development from Concept to Implementation  Andreas Georgoulis, Spiro Pollalis
7440 Leading the Design Firm  A. Georgoulis, R. Jennings, B. Kenet
HBS
HBS2166 Operations Strategy  Robert S. Huckman, Daniel C. Snow

Spring 2009
5103 Public and Private Development  Jerold S. Kayden
5303 Advanced Real Estate Development and Finance  Frank Apeseche, Glenn Mueller
5403M3 Public Approvals for Private Development Projects  Matthew Kiefer
5403M4 Building Design and Planning Typologies  Bing Wang
5475 Design of Housing in the United States  Leland Cott
6328 In Search of Engineer  Andreas Georgoulis, Hanif Kara
6331 Building Information Models  Michael Schroeder
7307 Strategy, Sustainability, and Finance  John Macomber
7407 Managing the Design Project  Richard Jennings
HBS 1461 Real Estate Development, Design, and Construction  E. Kohn, J. Macomber, C. Gordon

Fall 2008
5201 Urban Politics, Planning, and Development  Alan Altshuler
5203B Markets and Market Failure  Jose Gomez-Ibanez
5204 Real Estate Development and Finance  Richard Peiser
5206 Planning and Environmental Law  Brian Blaesser
5476 Housing Delivery Systems in the United States  James Stockard
5484 Redevelopment Policy  Susan Fainstein
7213 International Design Practice  Business, Law, and Culture  Jay Wickersham
7406 Specifications  Mark Kalin
7408 A New Framework for Practice  Paul Nakazawa
7411 Design and Development from Concept to Implementation  Spiro Pollalis, Andreas Georgoulis
7440 Leading the Design Firm  Brian Kenet, Spiro Pollalis
HBS 2166 Operations Strategy  Robert S. Huckman, Daniel C. Snow

Spring 2008
5103 Public and Private Development  Jerold S. Kayden
5212 Field Studies in Real Estate, Planning & Urban Design ... Lee, MA  Richard Peiser, Bing Wang
5303 Advanced Real Estate Development and Finance  Richard Peiser
5314 Strategic Planning and Local Development  Mona Serageldin
5403M3 Public Approvals for Private Development Projects  Matthew Kiefer
5403M4 Design Typologies and Financial Operation for Urban Developments  Bing Wang 5475
The Design of Housing in the United States  Lee Cott
6328 In Search of the Engineer  Hanif Kara, Andreas Georgoulis
6331 Building Information Models  Michael Schroeder

Fall 2007
5203A Markets and Market Failure  Joseph Kalt
5203B Markets and Market Failure  Jose Gomez-Ibanez
5204 Real Estate Development and Finance  Richard Peiser