

# Architectural Registration Exam Preparatory Classes

## 2021 ARE PACT / ARE Program Lesson Schedule

**Note:** The 2021 ARE PACT / ARE Program class schedule below is now open for registration for Project Planning & Development (PPD) and Project Development & Documentation (PDD). All classes are taught pro-bono by volunteer licensed architects and engineers. Since all classes will be presented virtually via Zoom, dinner will not be included with ARE classes.

**REGISTRATION FOR ARE CLASSES:** Registration is open **ONLY** in un-shaded class schedule below at this time for 2021 and will be focused on the new ARE 5.0 series. Registration is required for each specific ARE class and related session nos. in order to receive copies of the class presentation, quizzes, answers to quizzes, supplementary information and communications from the Architectural Licensing Committee (ALC) for the ARE classes. Note your email address correctly in order to receive session materials and communications. Register online for ARE sessions at the [aiasf.org](http://aiasf.org) website.

- Click on the following link for ARE class registration: <https://aiasf.org/events/category/are/>

Contact Roland Lau at [aresfcourse@gmail.com](mailto:aresfcourse@gmail.com) for any questions or Karsen Maruca AIASF, Program Manager at [kmaruca@aiasf.org](mailto:kmaruca@aiasf.org).

**Note:** Project Planning & Design (PPD) class below is currently **OPEN** for registration.

<b>Project Planning &amp; Design</b> (PPD, – previously SPD in ARE 4.0)					<b>Perkins Eastman</b>
Tuesday 6pm - 8pm					<b>Virtual via Zoom</b>
Session	Date	Duration	Titles	Outline	Instructor
PPD0	7/6/21 Tuesday	2 hours	Project Planning & Design + Project Development & Documentation (SPD)	Environmental Conditions & Context; Sustainability in site planning, (legal, economic and perceptual influences on site design	Peter Mueller, AIA  Roland Lau / Perkins Eastman, AIA

**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) below are currently **OPEN** for registration.

<b>Project Planning &amp; Design</b> (previously SD in ARE 4.0)					<b>Oblique City / SmithGroup</b>
Tuesday 6pm - 8pm					<b>Virtual via Zoom</b>
Session	Date	Duration	Titles	Outline	Instructor
PPD2	7/13/21 Tuesday	2 hours	Project Planning & Design (SD)	Environmental Conditions & Context – Schematic Design	Shaum Merha / Oblique City, RA  Dan Hogman / SmithGroup, AIA

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PPD + PDD (previously CDS in ARE 4.0)			Perkins Eastman / Oblique City / SmithGroup		
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PPD1 + PDD1	7/20/21 Tuesday	2 hours	Project Planning & Design + Project Development & Documentation (BDCS)	Project integration of program & systems, construction cost estimating; (Translating design concepts, project costs & budgeting)	Roland Lau / Perkins Eastman, AIA  Peter Mueller, AIA
PDD2	8/10/21 Tuesday	2 hours	Project Development & Documentation (CDS)	Construction Documentation, Project Manual & Specifications	Shaum Merha / Oblique City, RA  Dan Hogman / SmithGroup, AIA

**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) below are currently **OPEN** for registration.

PPD + PDD (previously CDS & BDCS in ARE 4.0)			Perkins Eastman / Salter		
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PPD3 + PDD3	8/24/21 Tuesday	2 hours	Project Planning & Design + Project Development & Documentation (BDCS)	Building Systems, Materials & Assemblies; (Construction Methods I: concrete, masonry, wood, metal, thermal & moisture protection)	Ryan Raskop / Salter, AIA  Roland Lau / Perkins Eastman, AIA

**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) below is currently **OPEN** for registration

PPD + PDD (previously CDS & BDCS in ARE 4.0)			HOK		
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PPD4 + PDD4	8/31/21 Tuesday	2 hours	Project Planning & Design + Project Development & Documentation (BDCS)	Building Systems, Materials & Assemblies, Codes & Regulations (Construction Methods II: doors, windows & glass, finish work) (Construction methods II: doors, windows & glass, finish work)	Melissa Barry / HOK, AIA;  Kelly Thayer / HOK, AIA

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**Note:** Project Planning & Design (PPD) + Project Development & Documentation (PDD) classes below are currently **OPEN** for registration.

<b>PPD + PDD (previously Structural Systems in ARE 4.0)</b>					<b>Forell Elsesser / HNTB</b>
Tuesday 6pm – 8pm					Virtual via Zoom
<b>Session</b>	<b>Date</b>	<b>Duration</b>	<b>Titles</b>	<b>Outline</b>	<b>Instructor</b>
PPD5 + PDD5	9/14/21 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Introduction to General Structures: Statics, equilibrium, strain, stress, section properties, deflection	Lori Jue / Forell   Elsesser, P.E;  Fai Chong / HNTB, AIA
PPD6 + PDD6	9/21/21 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Construction Materials: Steel & Concrete design; Steel Connection, Wood, & Masonry design	Andrew Ma / Forell Elsesser, SE  Fai Chong / HNTB, AIA
PPD7 + PDD7	9/28/21 Wednesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Foundation, retaining walls & long span structures	Steve Marusich / Forell Elsesser, SE  Roland Lau / AIA Perkins Eastman
PPD8 + PDD8	10/5/21 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Lateral systems, seismic and wind design	Geoff Bomba / Forell Elsesser, S.E  Fai Chong / HNTB, AIA

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<b>PPD + PDD (previously Building Systems in ARE 4.0)</b>					<b>ARUP</b>
Tuesday 6pm - 8pm					Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD9 + PDD9	10/19/21 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Electrical & Lighting Systems (Kaplan - Chapter 6 & 7)	Jacob Johnston / Arup, PE Silvia Reshmeen / Arup, PE Janelle Drouet / Arup, ILD Assoc, IES, LC Renee Thomas / Arup, RA, LC, NCIDQ
PPD10 + PDD10	10/26/21 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Mechanical Equipment and Energy Codes; Basic Thermal Processes, Comfort Climate and Solar Design (Kaplan - Chapters 3, 4, 5)	Paul Switenki / Arup, PE, MSCE,BAE  Alexej Goehring / Arup

**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) classes below is currently **OPEN** for registration

<b>PPD + PDD (previously Building Systems in ARE 4.0)</b>					<b>ARUP / Holmes Fire</b>
Tuesday 6pm - 8pm					Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD11 + PDD11	11/2/21 Tuesday	2 hours	Building Systems, Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Water Supply and Building Systems: Drainage Systems & Fire Safety (Kaplan – Chapter 2)	Lingyan Gorsuch / Arup, PE, CPD, LEED AP, BDC &  Geza Szakats / Holmes Fire, PE

**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) class below is currently **OPEN** for registration.

<b>PPD + PDD (previously Building Systems in ARE 4.0)</b>					<b>Salter</b>
Tuesday 6pm - 8pm					Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD12 + PDD12	11/9/21 Tuesday	2 hours	Building Systems, Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Acoustics (Kaplan - Chapter 8)	Ethan Salter/PE, LEED AP/CSA  Felipe Tavera / Salter

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**Note:** Project Planning & Design (PPD) & Project Development & Documentation (PDD) class below is currently **OPEN** for registration.

<b>PPD + PDD</b> (previously Building Systems in ARE 4.0)				<b>Thornton Tomasetti / HNTB</b>	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PPD13 + PDD13	11/16/21 Tuesday	2 hours	Building Systems, Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Sustainable Systems (Energy and Water Efficiency and Indoor Air Quality) (Kaplan - Chapter 1 Energy efficient design strategies Water conservation / waste reduction strategies Indoor air quality	Joel Stout / Thornton Tomasetti, AIA, LEED Fellow, WELL AP  Fai Chong / HNTB, AIA

**Note:** Programming & Analysis (PA) classes below are currently **CLOSED** for registration.

<b>Programming &amp; Analysis</b> (PA – previously PPP & SPD ARE 4.0)				<b>HNTB / LBG / TLA</b>	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PA1	3/30/21 Tuesday	2 hours	Programming & Analysis	Site Analysis & Programming, Building Analysis & Programming	Peter Mueller, AIA  Fai Chong / HNTB, AIA
PA2	4/6/21 Tuesday	2 hours	Programming & Analysis	Environmental & Contextual Conditions, Codes & Regulations	Breck Baird, / LBG Real Estate Co.RA;  Sara Mae Parker, TLA, AIA

**Note:** The Practice Management (PcM1 & PcM2) classes below are currently **CLOSED** for registration.

<b>Practice Management</b> (PcM – previously part of PPP in ARE 4.0)				<b>RBBA / Perkins Eastman / LBG / TLA</b>	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PcM1	4/20/21 Tuesday	2 hours	Practice Management	Business operations, Practice-wide delivery of services	Steve Jackson / RBBA, AIA  Roland Lau / Perkins Eastman, AIA
PcM2	4/27/21 Tuesday	2 hours	Practice Management	Finances, risk & development practice; practice methodologies	Breck Baird / LBG Real Estate Co., RA  Sara Mae Parker / TLA, AIA

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**Note:** The Project Management (PjM1 & PjM2) classes below are currently **CLOSED** for registration.

<b>Project Management1</b> (PjM1– previously part of CDS ARE 4.0)				<b>RBBA / Perkins Eastman / HOK / LBG</b>	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PjM1	5/11/21 Tuesday	2 hours	Project Management	Resource Management, Project Work Planning	Breck Baird / LBG Real Estate Co., RA  AIA; Melissa Barry / HOK, AIA
PjM2	5/18/21 Tuesday	2 hours	Project Management	Contracts, Project Execution, Project Quality Control	Steve Jackson / RBBA, AIA  Roland Lau / Perkins Eastman, AIA

**Note:** Construction & Evaluation (CE1 & CE2) classes below are currently **CLOSED** for registration.

<b>Construction &amp; Evaluation</b> (CE - previously CDS ARE 4.0)				<b>Perkins Eastman / RBBA</b>	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
CE1	6/1/21 Tuesday	2 hours	Construction & Evaluation	Pre-construction activities, construction observation	Roland Lau / Perkins Eastman, AIA  Steve Jackson / RBBA, AIA
CE2	6/15/21 Tuesday	2 hours	Construction & Evaluation	Administrative procedures & protocols, project closeout & evaluation	Steve Jackson / RBBA, AIA  Roland Lau / Perkins Eastman, AIA

**Note:**

- References in class schedule to Kaplan are related to ARE 5.0 & 4.0 study guides.
- Materials in ARE class presentation used for ARE 5.0 are based upon Ballast 5.0 study guide books and Brightwood ARE 5.0 and Kaplan ARE 4.0 study guides primarily besides instructor experiential knowledge and examples.