

Architectural Registration Exam Preparatory Classes

2023 ARE PACT / ARE Program Lesson Schedule

Note: All classes focus on the ARE 5.0 and are taught pro-bono by volunteer licensed architects and engineers.

Because all 2023 classes will be presented online via Zoom, dinner will not be included with ARE classes, until in-person classes occur with the reopening of the new AIASF office in mid-2023 at 140 Sutter Street, SF. The in-person ARE classes can also be attended virtually by students unable to attend in person.

REGISTRATION FOR CLASSES: Registration is currently open for classes per the dates noted in the schedule below. [Scroll to the ARE classes to find those that are still open for registration.](#)

Registration is **REQUIRED** for each specific ARE class in order to receive the Zoom URL or link, copies of the class presentation, class quizzes, answers to quizzes, and supplementary information and communications from AIASF's Architectural Licensing Committee (ALC). Enter your email address correctly at registration to receive session materials and communications.

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

Contact Roland Lau at aresfcourse@gmail.com for any questions or Angela Chen, AIASF, Program Manager at achen@aiasf.org

Programming & Analysis (previously PPP & SPD ARE 4.0) M+A Arch / SCB / LBG / SG / Marx Okubo					
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PA1	3/21/23 Tuesday	2 hours	Programming & Analysis	Site Analysis & Programming, Building Analysis & Programming	Peter Mueller, AIA, M+A Architecture Shawn Yang, RA, SCB
PA2	3/28/2023 Tuesday	2 hours	Programming & Analysis	Environmental & Contextual Conditions, Codes & Regulations	Breck Baird, RA / LBG Real Estate Co. Dan Hogman, AIA, SG, Mignon O'Young / AIA / Marx Okubo

Practice Management (PcM – previously part of PPP in ARE 4.0) LBG / VMWP / HCAI / Perkins Eastman					
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PcM1	4/11/23 Tuesday	2 hours	Practice Management	Finances, risk & development practice; practice methodologies	Breck Baird, RA / LBG Real Estate Co., Project Manager Sara Mae Parker, RA / VMWP
PcM2	4/18/23 Tuesday	2 hours	Practice Management	Business operations, Practice-wide delivery of services	Steve Jackson, AIA / HCAI Roland Lau, AIA / Perkins Eastman

Architectural Registration Exam Preparatory Classes 2023 ARE PACT / ARE Program Lesson Schedule

Project Management1 (PjM1– previously part of CDS ARE 4.0)				RBBA / Perkins Eastman / HOK / LBG	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PjM1	5/2/23 Tuesday	2 hours	Project Management	Resource Management, Project Work Planning	Breck Baird, RA, LBG Real Estate Co. Melissa Barry, AIA / HOK
PjM2	5/9/23 Tuesday	2 hours	Project Management	Contracts, Project Execution, Project Quality Control	Steve Jackson, AIA / HCAI Roland Lau, AIA / Perkins Eastman

Construction & Evaluation (CE - previously CDS ARE 4.0)				Perkins Eastman / RBBA	
(Days of the week may vary, see schedule below) 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
CE1	5/30/23 Monday	2 hours	Construction & Evaluation	Pre-construction activities, construction observation	Roland Lau, AIA / Perkins Eastman Steve Jackson, AIA / HCAI
CE2	6/6/23 Tuesday	2 hours	Construction & Evaluation	Administrative procedures & protocols, project closeout & evaluation	Steve Jackson, AIA / HCAI Roland Lau, AIA / Perkins Eastman

Project Planning & Design (PPD, – previously SPD in ARE 4.0)				Perkins Eastman / M+A Arch.	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PPD0	6/27/23 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 / M+A Architecture Roland Lau, AIA / Perkins Eastman

Architectural Registration Exam Preparatory Classes

2023 ARE PACT / ARE Program Lesson Schedule

Project Planning & Design (previously SD in ARE 4.0)				Oblique City / SmithGroup	
Tuesday 6pm - 8pm				Virtual via Zoom	
Session	Date	Duration	Titles	Outline	Instructor
PPD2	7/11/23 Tuesday	2 hours	Project Planning & Design (SD)	Environmental Conditions & Context – Schematic Design	Shaum Mehra, RA / Oblique City Dan Hogman, RA / SmithGroup

PPD + PDD (previously CDS in ARE 4.0)			Perkins Eastman / M+A Arch. / Oblique City / SmithGroup		
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PPD1 + PDD1	7/18/23 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, AIA / Perkins Eastman Peter Mueller, AIA / M+A Architecture
PDD2	7/25/23 Tuesday	2 hours	Project Development & Documentation (CDS)	Construction Documentation, Project Manual & Specifications	Shaum Mehra, RA / Oblique City Jacob Kwan, AIA / SmithGroup

PPD + PDD (previously CDS & BDCS in ARE 4.0)			Salter / Perkins Eastman		
Tuesday 6pm - 8pm			Virtual via Zoom		
Session	Date	Duration	Titles	Outline	Instructor
PPD3 + PDD3	8/8/23 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, AIA / Salter Roland Lau, AIA / Perkins Eastman

Architectural Registration Exam Preparatory Classes 2023 ARE PACT / ARE Program Lesson Schedule

PPD + PDD (previously CDS & BDCS in ARE 4.0)					HOK / HGA
Tuesday 6pm - 8pm					Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD4 + PDD4	8/15/23 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, AIA / HOK Kelly Thayer, AIA / HGA

PPD + PDD (previously Structural Systems in ARE 4.0)					Forell Elsesser / SCB
Tuesday 6pm – 8pm					Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD5 + PDD5	9/5/23 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Introduction to General Structures: Statics, equilibrium, strain, stress, section properties, deflection	Angeline Boto / Forell Elsesser, S.E; Heewon Choi, RA / SCB
PPD6 + PDD6	9/12/23 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Construction Materials: Steel & Concrete design; Steel Connection, Wood, & Masonry design	Angeline Boto, SE / Forell Elsesser Fai Chong, AIA / SCB
PPD7 + PDD7	9/19/23 Wednesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Foundation, retaining walls & long span structures	Mike DeRubels, SE / Forell Elsesser Fai Chong, AIA / SCB
PPD8 + PDD8	9/26/23 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Lateral systems, seismic and wind design	Susan LaFore, SE / Forell Elsesser Fai Chong, AIA / SCB

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PPD + PDD (previously Building Systems in ARE 4.0) Tuesday 6pm - 8pm					ARUP / Mazzetti Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD9 + PDD9	10/17/23 Tuesday	2 hours	Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Lighting & Electrical Systems (Kaplan - Chapter 6 & 7)	Silvia Reshmeen, PE / Arup Janelle Drouet, IES LC / Mazzetti
PPD10 + PDD10	10/24/23 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)	Manju Venugopal, PE / Arup Tony Pulsatera, PE / Arup Alexej Goehring, PE / Arup

PPD + PDD (previously Building Systems in ARE 4.0) Monday 6pm - 8pm					ARUP / Holmes Fire Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD11 + PDD11	10/30/23 Monday	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, PE, CPD, LEED AP, BDC / Arup Geza Szakats, PE / Holmes Fire

PPD + PDD (previously Building Systems in ARE 4.0) Tuesday 6pm - 8pm					Thornton Tomasetti / SCB Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD12 + PDD12	11/7/23 Tuesday	2 hours	Building Systems, Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Sustainable Systems (Energy & Water Efficiency & Indoor Air Quality) (Kaplan Chap 1 Energy efficient design strategies Water conserv / waste reduction strategies Indoor air quality	Joel Stout / Thornton Tomasetti, AIA, LEED Fellow, WELL AP Fai Chong, AIA / SCB

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PPD + PDD (previously Building Systems in ARE 4.0) Tuesday 6pm - 8pm					Salter Virtual via Zoom
Session	Date	Duration	Titles	Outline	Instructor
PPD13 + PDD13	11/14/23 Tuesday	2 hours	Building Systems, Building Systems, Materials & Assemblies; Integration of Building Materials & Systems	Acoustics (Kaplan - Chapter 8)	Ethan Salter, PE, LEED AP / Salter Felipe Tavera / Salter

Note:

1. References in class schedule to Kaplan are related to ARE 5.0 & 4.0 study guides.
2. 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.