

claims

SPC as defined by the National Architectural Accrediting Board, Inc.
A course assigned a Claim is fully accountable, irrespective of Partial Claims assigned to others.

partial claims

Partial Claims shall satisfy the SPC in aggregate.
Partial Claims vary by degree; refer to respective Matrix.

introductory claims

Introductory Claims contain preparatory learning objectives and are not intended to satisfy SPC.

Realm A: Critical Thinking and Representation

A.1 Professional Communication Skills	ABILITY to write and speak effectively and use representational media appropriate for both within the profession and with the general public.
A.2 Design Thinking Skills	ABILITY to raise clear and precise questions, use abstract ideas to interpret information, consider diverse points of view, reach well-reasoned conclusions, and test alternative outcomes against relevant criteria and standards.
A.3 Investigative Skills	ABILITY to gather, assess, record, and comparatively evaluate relevant information and performance in order to support conclusions related to a specific project or assignment.
A.4 Architectural Design Skills	ABILITY to effectively use basic formal, organizational and environmental principles and the capacity of each to inform two- and three-dimensional design.
A.5 Ordering Systems	ABILITY to apply the fundamentals of both natural and formal ordering systems and the capacity of each to inform two- and three-dimensional design.
A.6 Use of Precedents	ABILITY to examine and comprehend the fundamental principles present in relevant precedents and to make informed choices about the incorporation of such principles into architecture and urban design projects.
A.7 History and Global Culture	UNDERSTANDING of the parallel and divergent histories of architecture and the cultural norms of a variety of indigenous, vernacular, local, and regional settings in terms of their political, economic, social, ecological, and technological factors.
A.8 Cultural Diversity and Social Equity	UNDERSTANDING of the diverse needs, values, behavioral norms, physical abilities, and social and spatial patterns that characterize different cultures and individuals and the responsibility of the architect to ensure equity of access to sites, buildings, and structures.

.X SKILL area
-X CONTENT area

- .G GRAPHIC communications
- .O ORAL communications
- .W WRITTEN communications

- .Gi UNDERSTANDING basic principles of graphic composition, visual organization, information hierarchy, and graphic clarity.
- .Oi UNDERSTANDING techniques for concise, comprehensive, and organized verbal presentations with body language and eye contact.
- .Wi UNDERSTANDING basic vocabulary of architecture, including particular architectural heritages; ABILITY to describe the built environment.

Realm B: Building Practices, Technical Skills, and Knowledge

B.1 Pre-Design	ABILITY to prepare a comprehensive program for an architectural project that includes an assessment of client and user needs; an inventory of spaces and their requirements; an analysis of site conditions (including existing buildings); a review of the relevant building codes and standards, including relevant sustainability requirements, and an assessment of their implications for the project; and a definition of site selection and design assessment criteria.
B.2 Site Design	ABILITY to respond to site characteristics, including urban context and developmental patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the development of a project design.
B.3 Codes and Regulations	ABILITY to design sites, facilities, and systems that are responsive to relevant codes and regulations, and include the principles of life-safety and accessibility standards.
B.4 Technical Documentation	ABILITY to make technically clear drawings, prepare outline specifications, and construct models illustrating and identifying the assembly of materials, systems, and components appropriate for a building design.
B.5 Structural Systems	ABILITY to demonstrate the basic principles of structural systems and their ability to withstand gravitational, seismic, and lateral forces, as well as the selection and application of the appropriate structural system.
B.6 Environmental Systems	ABILITY to demonstrate the principles of environmental systems' design, how design criteria can vary by geographic region, and the tools used for performance assessment. This demonstration must include active and passive heating and cooling, solar geometry, daylighting, natural ventilation, indoor air quality, solar systems, lighting systems, and acoustics.
B.7 Building Envelope Systems and Assemblies	UNDERSTANDING of the basic principles involved in the appropriate selection and application of building envelope systems relative to fundamental performance, aesthetics, moisture transfer, durability, and energy and material resources.
B.8 Building Materials and Assemblies	UNDERSTANDING of the basic principles used in the appropriate selection of interior and exterior construction materials, finishes, products, components, and assemblies based on their inherent performance, including environmental impact and reuse.
B.9 Building Service Systems	UNDERSTANDING of the basic principles and appropriate application and performance of building service systems, including lighting, mechanical, plumbing, electrical, communication, vertical transportation, security, and fire protection systems.
B.10 Financial Considerations	UNDERSTANDING of the fundamentals of building costs, which must include project financing methods and feasibility, construction cost estimating, construction scheduling, operational costs, and life-cycle costs.

.U UNDERSTANDING
.A ABILITY
.C COMPREHENSIVE application

- c specific to building CODES and standards
- s specific to SITE selection and assessment

.i ABILITY to analyze, prioritize, and document site, context, historic, soil, topography, ecology, and climate factors as they pertain to design.

UNDERSTANDING implications of site, urban context, development patterns, historic fabric, soil, topography, ecology, and climate on design.

.U UNDERSTANDING
.A ABILITY
-u specific to URBAN design

.i UNDERSTANDING of how context, topography, and climate inform design.

.U UNDERSTANDING
.A ABILITY

.i UNDERSTANDING of occupancy and egress fundamentals, including accessibility and universal design.

.i UNDERSTANDING the organizational principles of working drawings in relation to specifications, including BIM organization and planning.

- ei ABILITY related to building ENVELOPE.
- si ABILITY related to STRUCTURAL SYSTEMS.

.i UNDERSTANDING the fundamental principles of gravitational, seismic, and lateral forces.

- p PASSIVE environmental design
- a ACTIVE environmental systems

.i UNDERSTANDING passive vs. active systems; how and when each informs design.

- p PRINCIPLES of selection
- a APPLICATION to envelope systems

UNDERSTANDING properties of materials (performance, aesthetics, moisture transfer, durability, embodied energy) and Low Rise Load Bearing assemblies

UNDERSTANDING how to select appropriate envelope systems (energy, performance, and aesthetic criteria) and apply to a studio project.

- p PRINCIPLES
- l LOW RISE construction / loadbearing envelope
- h HIGH RISE construction / non-loadbearing envelope

UNDERSTANDING of the basic principles used in the appropriate selection of interior and exterior construction materials based on their inherent performance, including environmental impact and reuse.

- p PRINCIPLES of selection
- a APPLICATION to building service systems

- c CONSTRUCTION estimating + scheduling
- o financing, feasibility, OPERATIONAL + life-cycle costs

.i ABILITY to do material take-offs for a class mock-up and use unit costs for a building estimate.

Realm C: Integrated Architectural Solutions

C.1 Research	UNDERSTANDING of the theoretical and applied research methodologies and practices used during the design process.
C.2 Integrated Evaluations and Decision-Making Design Process	ABILITY to demonstrate the skills associated with making integrated decisions across multiple systems and variables in the completion of a design project. This demonstration includes problem identification, setting evaluative criteria, analyzing solution
C.3 Integrative Design	ABILITY to make design decisions within a complex architectural project while demonstrating broad integration and consideration of environmental stewardship, technical documentation, accessibility, site conditions, life safety, environmental systems, structural systems, and building envelope systems and assemblies.

- t THEORETICAL
- a APPLIED

-ti UNDERSTANDING theoretical research in design practices.

-ai UNDERSTANDING applied research in design practices.

Realm D: Professional Practice

D.1 Stakeholder Roles in Architecture	UNDERSTANDING of the relationships among key stakeholders in the design process—client, contractor, architect, user groups, local community—and the architect's role to reconcile stakeholder needs.
D.2 Project Management	UNDERSTANDING of the methods for selecting consultants and assembling teams; identifying work plans, project schedules, and time requirements; and recommending project delivery methods.
D.3 Business Practices	UNDERSTANDING of the basic principles of a firm's business practices, including financial management and business planning, marketing, organization, and entrepreneurship.
D.4 Legal Responsibilities	UNDERSTANDING of the architect's responsibility to the public and the client as determined by regulations and legal considerations involving the practice of architecture and professional service contracts.
D.5 Professional Conduct	UNDERSTANDING of the ethical issues involved in the exercise of professional judgment in architectural design and practice and understanding the role of the NCARB Rules of Conduct and the AIA Code of Ethics in defining professional conduct.

- u applied to client, USERS, + community
- c applied to design + CONSTRUCTION professionals

.i UNDERSTANDING the service role of the Architect.

.i UNDERSTANDING fundamentals of project management.

.i UNDERSTANDING firm types + organizations.

- r RESPONSIBILITIES to public + client
- i IMPLICATIONS on practice + contracts.

.i UNDERSTANDING responsibility to the public pertaining to siting, massing, occupancy, + use.

.i UNDERSTANDING ethics of built and environmental contexts, natural features.

Master of Architecture

School of Architecture - University of Arizona

date of last revision: 2014.12.03-17:00

claim **X**
 partial claim **.X** see SPC Guide
 introductory claim **.i**

		Realm A Critical Thinking and Representation								Realm B Building Practices, Technical Skills, and Knowledge										Realm C Integrated Arch'l Solutions			Realm D Professional Practice					
criterion		A.1	A.2	A.3	A.4	A.5	A.6	A.7	A.8	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8	B.9	B.10	C.1	C.2	C.3	D.1	D.2	D.3	D.4	D.5	
IMMERSION SUMMER																												
ARC 510a	DESIGN STUDIO 1: IMMERSION																											
ARC 540a	DESIGN COMMUNICATION 1																											
PRE-PROFESSIONAL PHASE																												
ARC 510b	DESIGN STUDIO 2	.Gi/.Oi	.i			.i								.i			.i											
ARC 520a	BUILDING TECHNOLOGY 1 - STRUCTURES 1		.i											.i														
ARC 520b	BUILDING TECHNOLOGY 2 - MATERIALS + METHODS 1																											
ARC 529	INTRODUCTION TO THE BUILT ENVIRONMENT			.i																								
ARC 540b	DESIGN COMMUNICATION 2	.Gi																										
ARC 510c	DESIGN STUDIO 3																											
ARC 520c	BUILDING TECHNOLOGY 3 - ENVIRONMENTAL CONTROL SYSTEMS 1																											
ARC 526	SITE ANALYSIS AND PLANNING																											
ARC 527	ARCHITECTURAL PROGRAMMING			.i																								
ARC 530	HISTORY + THEORY OF ARCHITECTURE 1																											
PROFESSIONAL PHASE																												
ARC 510d	ADVANCED DESIGN STUDIO 1	.G																										
ARC 520d	BUILDING TECHNOLOGY 4 - MATERIALS + METHODS 2																											
ARC 520f	BUILDING TECHNOLOGY 6 - ENVIRONMENTAL CONTROL SYSTEMS 2																											
ARC 531	HISTORY + THEORY OF ARCHITECTURE 2	.Wi																										
ARC 540c	DESIGN COMMUNICATION 3																											
ARC 510e	ADVANCED DESIGN STUDIO 2 (TECHNICAL INTEGRATION)																											
ARC 520e	BUILDING TECHNOLOGY 5 - STRUCTURES 2																											
ARC 532	HISTORY + THEORY OF ARCHITECTURE 3	.W																										
ARC 541	CONTRACT DOCUMENTS																											
MILESTONE																												
ARC 510f	ADVANCED DESIGN STUDIO 3 (VERTICAL STUDIO OPTIONS)																											
ARC 550c	ETHICS AND PRACTICE																											
ARC 909	MASTERS PROJECT PREP	.i																										
ARC 909	MASTER'S PROJECT																											
ARC 520g	BUILDING TECHNOLOGY 7 - STRUCTURES 3																											
criterion		A.1	A.2	A.3	A.4	A.5	A.6	A.7	A.8	B.1	B.2	B.3	B.4	B.5	B.6	B.7	B.8	B.9	B.10	C.1	C.2	C.3	D.1	D.2	D.3	D.4	D.5	
		Professional Communication Skills	Design Thinking Skills	Investigative Skills	Architectural Design Skills	Ordering Systems	Use of Precedents	History and Global Culture	Cultural Diversity and Social Equity	Pre-Design	Site Design	Codes and Regulations	Technical Documentation	Structural Systems	Environmental Systems	Building Envelope Systems and Assemblies	Building Materials and Assemblies	Building Service Systems	Financial Considerations	Research	Integrated Evaluations and Decision-Making Design Process	Integrative Design	Stakeholder Roles in Architecture	Project Management	Business Practices	Legal Responsibilities	Professional Conduct	

claim
 partial claim .X see SPC Guide
 introductory claim .i

Realm A
 Critical Thinking and Representation

course	description	crit			A.1				A.4				A.6																							
IMMERSION SUMMER																																				
ARC 540a	DESIGN COMMUNICATION 1																																			
PRE-PROFESSIONAL PHASE																																				
ARC 540b	DESIGN COMMUNICATION 2			.Gi																																
PROFESSIONAL PHASE																																				
ARC 540c	DESIGN COMMUNICATION 3											.i																								

crit

A.1
Professional Communication Skills

A.4
Architectural Design Skills

A.6
Use of Precedents

history + theory Master of Architecture

School of Architecture - University of Arizona

NAAB 2014 STUDENT PERFORMANCE CRITERIA MATRIX

claim **X**
 partial claim **.X** see SPC Guide
 introductory claim **.i**

Realm A
 Critical Thinking and Representation

Realm B
 Building Practices, Technical Skills, and Knowledge

Realm C
 Integrated Arch'l Solutions

course	ARC 529	ARC 530	ARC 531	ARC 532	ARC 909		
description	INTRODUCTION TO THE BUILT ENVIRONMENT	HISTORY + THEORY OF ARCHITECTURE 1	HISTORY + THEORY OF ARCHITECTURE 2	HISTORY + THEORY OF ARCHITECTURE 3	MASTERS PROJECT PREP		
phase	IMMERSION SUMMER		PRE-PROFESSIONAL PHASE		PROFESSIONAL PHASE		
milestone	MILESTONE						
criteria	A.1	A.3	A.6	A.7	A.8	B.1	C.1
description	Professional Communication Skills	Investigative Skills	Use of Precedents	History and Global Culture	Cultural Diversity and Social Equity	Pre-Design	Research
ARC 529		.i	-ui	.i			
ARC 530							
ARC 531				.W		.C	
ARC 532				.W			
ARC 909					.i	.C	-t

technology Master of Architecture

School of Architecture - University of Arizona

NAAB 2014 STUDENT PERFORMANCE CRITERIA MATRIX

claim **X**
 partial claim **.X** see SPC Guide
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		Realm A Critical Thinking and Representation				Realm B Building Practices, Technical Skills, and Knowledge						Realm C Integrated Arch'l Solutions		
criterion		A.2	A.6			B.4	B.5	B.6	B.7	B.8	B.9	B.10	C.1	
IMMERSION SUMMER														
PRE-PROFESSIONAL PHASE														
ARC 520a	BUILDING TECHNOLOGY 1 - STRUCTURES 1	.i					.i							
ARC 520b	BUILDING TECHNOLOGY 2 - MATERIALS + METHODS 1								-pi	.i				
ARC 520c	BUILDING TECHNOLOGY 3 - ENVIRONMENTAL CONTROL SYSTEMS 1							.i					-ai	
PROFESSIONAL PHASE														
ARC 520d	BUILDING TECHNOLOGY 4 - MATERIALS + METHODS 2		.U			-ei			-p	-p				
ARC 520f	BUILDING TECHNOLOGY 6 - ENVIRONMENTAL CONTROL SYSTEMS 2							-a			-p			
ARC 520e	BUILDING TECHNOLOGY 5 - STRUCTURES 2					-si	.i					.i		
MILESTONE														
ARC 520g	BUILDING TECHNOLOGY 7 - STRUCTURES 3													
criterion		A.2	A.6			B.4	B.5	B.6	B.7	B.8	B.9	B.10	C.1	
		Design Thinking Skills	Use of Precedents			Technical Documentation	Structural Systems	Environmental Systems	Building Envelope Systems and Assemblies	Building Materials and Assemblies	Building Service Systems	Financial Considerations	Research	

practice Master of Architecture

School of Architecture - University of Arizona

NAAB 2014 STUDENT PERFORMANCE CRITERIA MATRIX

claim **■**
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		Realm A Critical Thinking and Representation					Realm B Building Practices, Technical Skills, and Knowledge					Realm D Professional Practice				
criterion		A.3	A.8	B.1	B.2	B.3	B.4	B.9	B.10	D.1	D.2	D.3	D.4	D.5		
IMMERSION SUMMER																
PRE-PROFESSIONAL PHASE																
ARC 526	SITE ANALYSIS AND PLANNING			-si	.i								.i			
ARC 527	ARCHITECTURAL PROGRAMMING	.i	-pi	.i						.i		.i				
PROFESSIONAL PHASE																
ARC 541	CONTRACT DOCUMENTS			-c	.A			-a	-o		.i		-i			
MILESTONE																
ARC 550c	ETHICS AND PRACTICE								-c				-r			
criterion		A.3	A.8	B.1	B.2	B.3	B.4	B.9	B.10	D.1	D.2	D.3	D.4	D.5		
		Investigative Skills	Cultural Diversity and Social Equity	Pre-Design	Site Design	Codes and Regulations	Technical Documentation	Building Service Systems	Financial Considerations	Stakeholder Roles in Architecture	Project Management	Business Practices	Legal Responsibilities	Professional Conduct		

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criterion		A.1	A.2	A.4	A.5	A.6	A.8	B.1	B.2	B.3	B.6	B.7	B.8	C.1	C.2	C.3	D.5
IMMERSION SUMMER																	
ARC 510a	DESIGN STUDIO 1: IMMERSION																
PRE-PROFESSIONAL PHASE																	
ARC 510b	DESIGN STUDIO 2	.Gi/.Oi	.i		.i								.i				
ARC 510c	DESIGN STUDIO 3			.i	.i			.i	.i								.i
PROFESSIONAL PHASE																	
ARC 510d	ADVANCED DESIGN STUDIO 1	.G		-f	.A								-ai				
ARC 510e	ADVANCED DESIGN STUDIO 2 (TECHNICAL INTEGRATION)			-e			-p		.U		-p	-a					
MILESTONE																	
ARC 510f	ADVANCED DESIGN STUDIO 3 (VERTICAL STUDIO OPTIONS)													-ti			
ARC 909	MASTER'S PROJECT													-a			
criterion		A.1	A.2	A.4	A.5	A.6	A.8	B.1	B.2	B.3	B.6	B.7	B.8	C.1	C.2	C.3	D.5
		Professional Communication Skills	Design Thinking Skills	Architectural Design Skills	Ordering Systems	Use of Precedents	Cultural Diversity and Social Equity	Pre-Design	Site Design	Codes and Regulations	Environmental Systems	Building Envelope Systems and Assemblies	Building Materials and Assemblies	Research	Integrated Evaluations and Decision-Making Design Process	Integrative Design	Professional Conduct