NAAB SCHOOL OF ARCHITECTURE

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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.

introductory claims

Partial Claims shall satisfy the SPC in aggregate. Introductory Claims contain preparatory learning objectives and are not Partial Claims vary by degree; refer to respective Matrix. intended to satisfy SPC.

-x CONTENT area

Realm A: Critical Thinking and Representation

against relevant criteria and standards.

Professional A.1 Communication Skills

Design

A.2 Thinking

Skills

A.3 Investigative Skills

ABILITY to write and speak effectively and use representational media appropriate for both within the profession and with the general public.

ABILITY to raise clear and precise questions, use abstract ideas to interpret information,

ABILITY to gather, assess, record, and comparatively evaluate relevant information and

performance in order to support conclusions related to a specific project or assignment

.G GRAPHIC communications

partial claims

.Gi UNDERSTANDING basic principles of graphic composition, visual organization, information hierarchy, and graphic clarity. .Oi UNDERSTANDING technicques for concise, comprehensive, and

. O ORAL communications organized verbal presentations with body language and eye contact. . \mbox{Wi} UNDERSTANDING basic vocabulary of architecture, including particular architectural heritages; ABILITY to describe the built environment. .W WRITTEN communications

consider diverse points of view, reach well-reasoned conclusions, and test alternative outco

UNDERSTANDING relevant information and performance in order to pport conclusions related to a specific project or assign

"i UNDERSTANDING of how interrogating an issue informs design.

Architectural ABILITY to effectively use basic formal, organizational and environmental principles and the A.4 Design capacity of each to inform two- and three-dimensional design Skills

-f FORMAL + organizational principles e ENVIRONMENTAL principles .C COMPREHENSIVE application

UNDERSTANDING fundamentals of design: i basic drawing and modeling, diagramming, environmental design principles, ordering and organizational operations.

A.5 Ordering Systems of each to inform two- and three-dimensional design. ABILITY to examine and comprehend the fundamental principles present in relevant precedents .U UNDERSTANDING .A ABILITY

.U UNDERSTANDING

.U UNDERSTANDING

.A ABILITY

UNDERSTANDING the utility of natural and formal ordering systems; how these inform, clarify, and strengthen two and three-dimensional design.

A.6 Use of Precedents and to make informed choices about the incorporation of such principles into architecture and urban design projects. History ${\tt UNDERSTANDING}\ of\ the\ parallel\ and\ divergent\ histories\ of\ architecture\ and\ the\ cultural\ norms\ of\ parallel\ parallel\$.A ABILITY -u specific to URBAN design precedents

APPRECIATION of architectural history and theory including indigenous "i vernacular, local, and regional contexts + impacts from political, economic, social, and ecological forces.

"i UNDERSTANDING of how architectural precedents inform design.

-ui UNDERSTANDING of URBAN design precedents.

-pi UNDERSTANDING of PROFESSIONAL perspective

Cultural Diversity A.8 and Social Equity

Global Culture

A.7 and

B.4

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.

a variety of indigenous, vernacular, local, and regional settings in terms of their political,

ABILITY to apply the fundamentals of both natural and formal ordering systems and the capacity

-c CULTURAL perspectives -p PROFESSIONAL perspective

Realm B: Building Practices, Technical Skills, and Knowledge

economic, social, ecological, and technological factors.

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 **B.1** Pre-Design standards, including relevant sustainability requirements, and an assessment of their implications for the project; and a definition of site selection and design assessment criteria.

.U UNDERSTANDING ABILITY to analyze, prioritize, and document site, context, historic, soil, topography, ecology, and climate factors as they pertain to design. .A ABILITY .C COMPREHENSIVE application -c specific to building CODES and standards UNDERSTANDING implications of site, urban context, development

ABILITY to respond to site characteristics, including urban context and developmental **B.2** Site Design patterning, historical fabric, soil, topography, ecology, climate, and building orientation, in the velopment of a project design.

-s specific to SITE selection and assessment .U UNDERSTANDING .A ABILITY

-u specific to URBAN design

UNDERSTANDING of how context, topography, and climate inform

-și patterns, historic fabric, soil, topography, ecology, and climate on

Codes and 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 Regulations

.U UNDERSTANDING

A ABILITY

 $\vec{\bf l}$ UNDERSTANDING of occupancy and egress fundamentals, including accessibility and universal design.

ABILITY to make technically clear drawings, prepare outline specifications, and construct models Technical illustrating and identifying the assembly of materials, systems, and components appropriate for Documentation a building design. ABILITY to demonstrate the basic principles of structural systems and their ability to withstand

must include active and passive heating and cooling, solar geometry, daylighting, natural

 $_{\rm I}$ 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

B.5 Structural Systems gravitational, seismic, and lateral forces, as well as the selection and application of the appropriate structural system. $ABILITY\ to\ demonstrate\ the\ principles\ of\ environmental\ systems'\ design,\ how\ design\ criteria\ can$ vary by geographic region, and the tools used for performance assessment. This demonstration Environmental B.6

-p PASSIVE environmental design a ACTIVE environmental systems

 $_{\rm e}{\rm I}$ UNDERSTANDING passive vs. active systems; how and when each informs design.

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

Systems ventilation, indoor air quality, solar systems, lighting systems, and acoustics **Building Envelope** $\label{lem:eq:continuous} \textbf{UNDERSTANDING} \ \ \text{of the basic principles involved in the appropriate selection and application of} \\$ building envelope systems relative to fundamental performance, aesthetics, moisture transfer, **B.7** Systems and

durability, and energy and material resources.

UNDERSTANDING of the fundamentals of building costs,

construction scheduling, operational costs, and life-cycle costs.

-p PRINCIPLES of selection a APPLICATION to envelope systems

UNDERSTANDING properties of materials (performance, aesthetics -pi moisture transfer, durability, embodied energy) and Low Rise Load UNDERSTANDING how to select appropriate envelope systems (energy, performance, and aesthetic criteria) and apply to a studio project.

B.8 Building Materials and Assemblies

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.

-p PRINCIPLES LOW RISE construction / loadbearing envelope HIGH RISE construction / non-loadbearing UNDERSTANDING of the basic principles used in the appropriate $_{\bullet}\hat{\textbf{j}}$ selection of interior and exterior construction materials based on their inherent performance, including environmental impact and reuse

Building **B.9** Service Systems

B.10 Financial Considerations

C.1 Research

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.

which must include project financing methods and feasibility, construction cost estimating.

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

-c CONSTRUCTION estimating + scheduling

financing, feasibility, OPERATIONAL +

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

Realm D: Professional Practice

Realm C: Integrated Architectural Solutions UNDERSTANDING of the theoretical and applied research methodologies and practices used during the design process

-t THEORETICAL

-o life-cycle costs

-h envelope

-ti UNDERSTANDING theoretical reseach in design practices.

Evaluations and Decision-Making **Design Process**

Integrated

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

-a APPLIED

-ai UNDERSTANDING applied research in design practices

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.

, UNDERSTANDING the service role of the Architect

Proiect

Architecture

D.1 Roles in

stakeholder needs. UNDERSTANDING of the methods for selecting consultants and assembling teams; identifying work plans, project schedules, and time requirements; and recommending project delivery

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

-c applied to design + CONSTRUCTION professionals

-u applied to client, USERS, + community

"i UNDERSTANDING fundamentals of project management

"i UNDERSTANDING firm types + organizations.

Management **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.

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

UNDERSTANDING responsibility to the public pertaining to siting nassing, occupancy, + use

D.4 Legal Responsibilities

Professional

Conduct

D.5

regulations and legal considerations involving the practice of architecture and professional 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

UNDERSTANDING of the architect's responsibility to the public and the client as determined by

 $% \left\| {{\bf{J}}_{i}}\right\| ={{\bf{J}}_{i}}$ UNDERSTANDING ethics of built and environmental contexts, natural features.

the AIA Code of Ethics in defining professional conduct.

date of last revision: 2014.12.03-17:00

NAAB 2014 STUDENT PERFORMANCE CRITERIA MATRIX

Master of Architecture

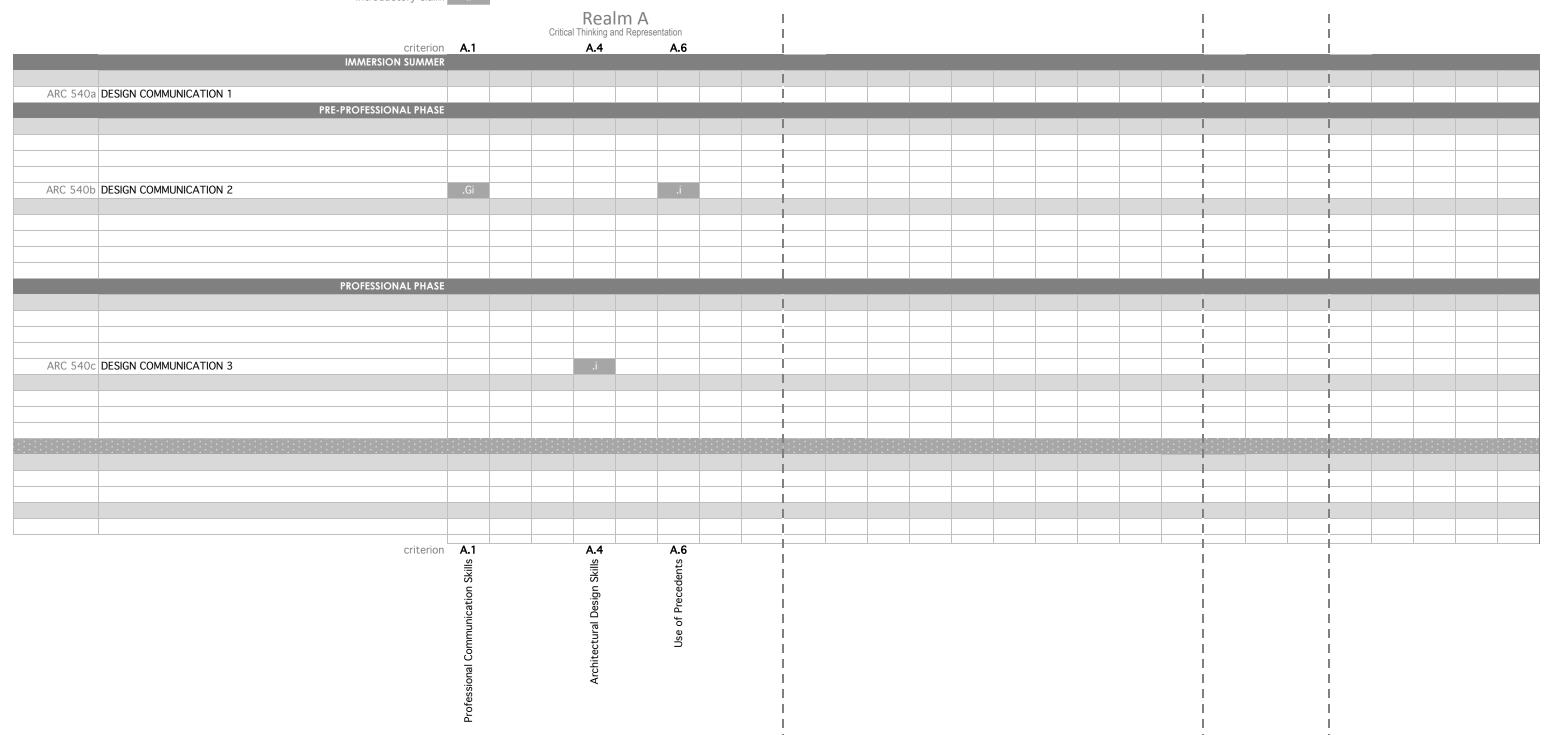
School of Architecture - University of Arizona

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

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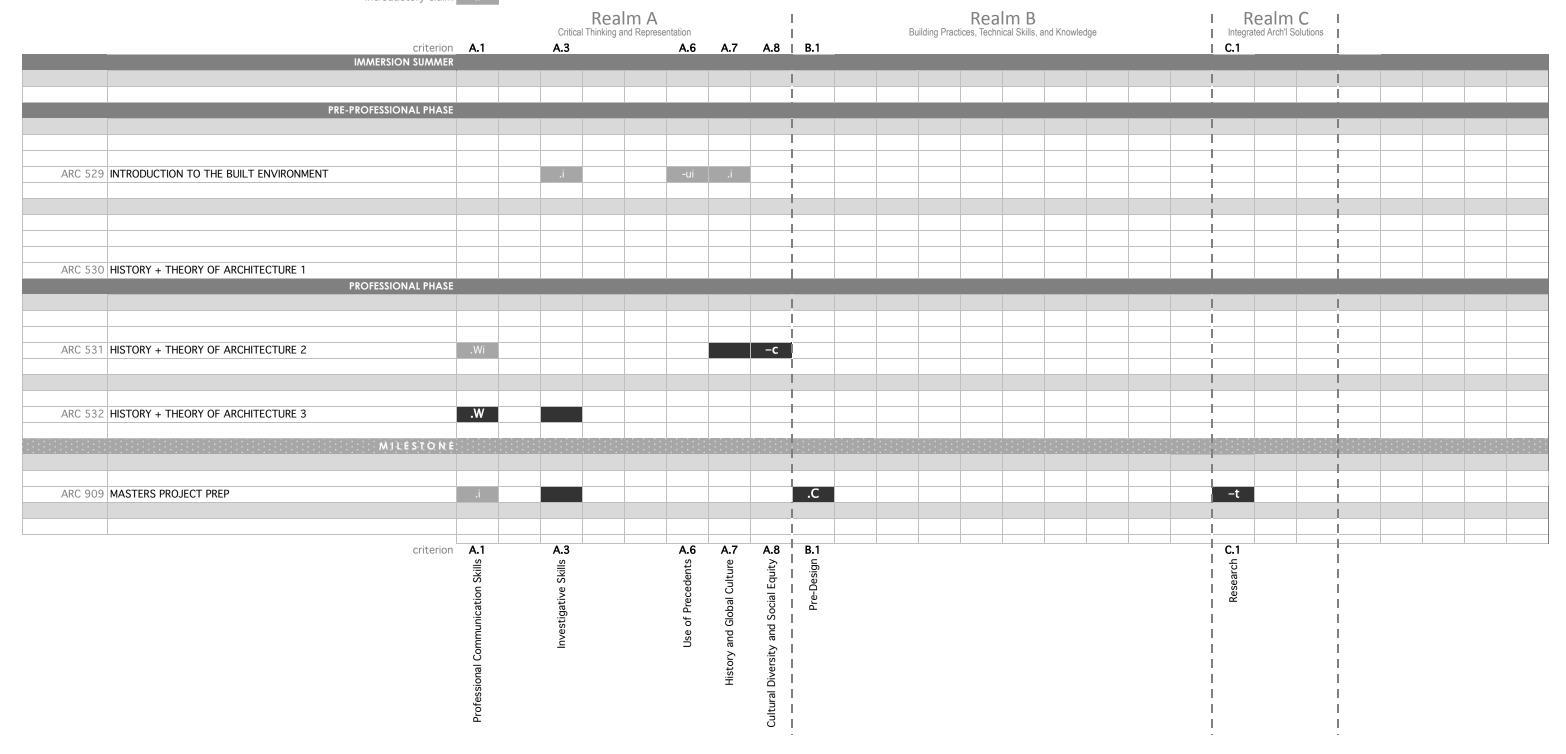
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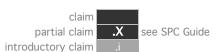


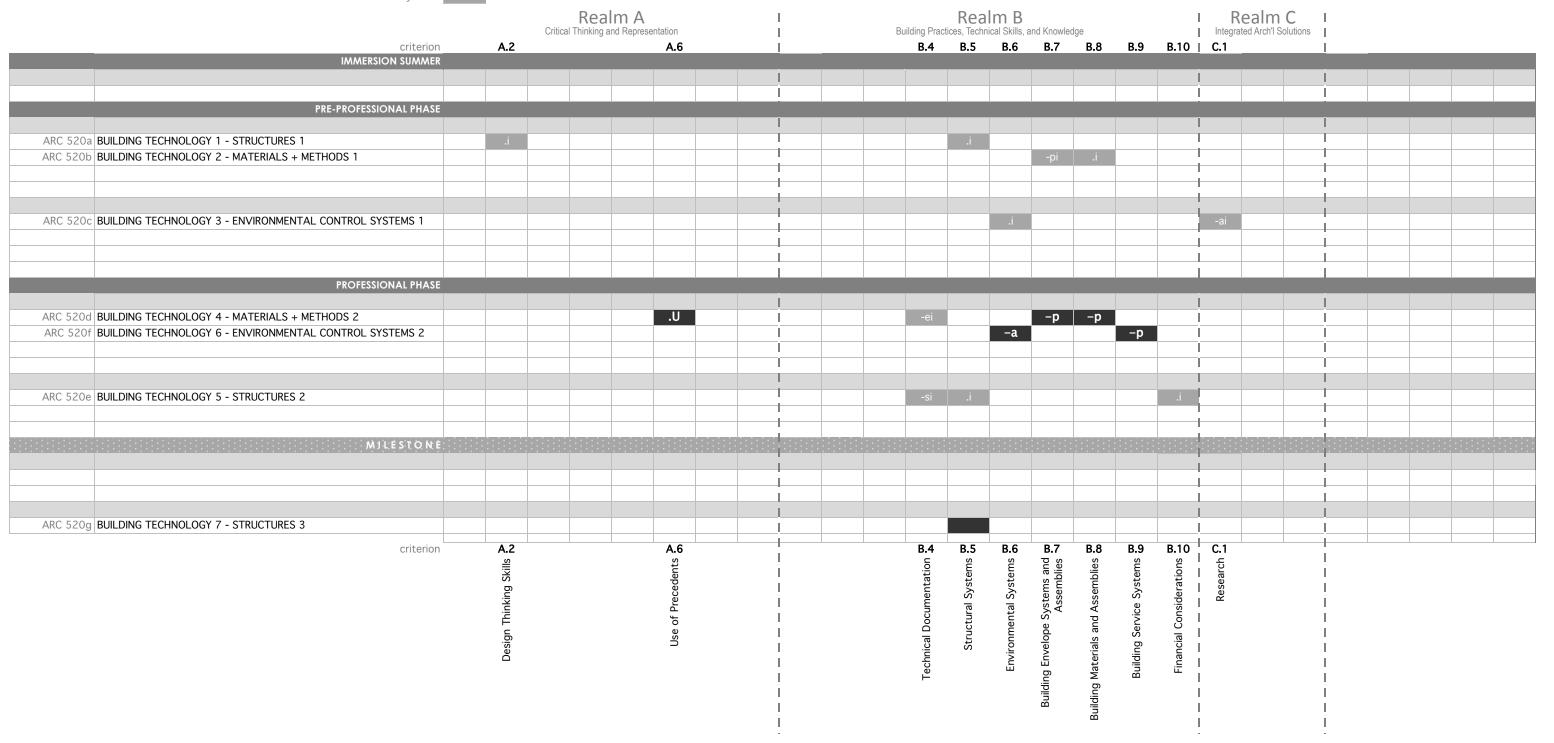
history + theory Master of Architecture





technology Master of Architecture





practice Master of Architecture



