



Graduate School

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January 11, 2013

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Stephen Turk
Graduate Studies Chair

Master of Architecture

Stephen,

The Graduate School Curriculum Committee (GSCC) met on January 10th and considered the proposal describing the advanced placement curricular track in the Master of Architecture. The committee approved the proposal. The committee had only one comment for your consideration. As it now reads, Section III (Assessment Conversion) reads that exit meetings are held at the end of the final Spring *Quarter*, that the School holds *quarterly* meetings, and that the external review *will be held* in November of 2010. These sentences should be corrected accordingly.

The proposal will next be presented to the Graduate Council for their approval and subsequently to the Council of Academic Affairs (CAA). You will likely be invited by CAA to attend the meeting in which this proposal becomes an agenda item.

Don't hesitate to contact me with questions or clarifications.

Many thanks,

Scott Herness
Associate Dean

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October 22, 2012

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250 and 247 University Hall
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Architecture
Landscape Architecture
City & Regional Planning

Re: Advanced Placement Addendum: MArch Program, Knowlton School of Architecture

Dear Graduate Program Committee:

The original quarter to semester conversion proposal for the Master of Architecture (MArch) Program within the Knowlton School of Architecture did not clearly differentiate between two curricular "tracks" within the MArch degree structure. Therefore we offer the following addendum related to the advanced placement of students with pre-professional backgrounds into the second year of the MArch curriculum.

Like most graduate degree programs at schools of Architecture in the United States the MArch program at the Knowlton School of Architecture is structured as one three year degree program but with two points of entry for students with different educational backgrounds. Those coming from four year pre-professional undergraduate programs in Architecture qualify for entry, upon careful review of the admissions committee, into the second year of the program and if successful are waived of the requirements of the first year of the program. Those coming from non-architecture undergraduate backgrounds enter into the first year and are required to complete the entirety of the three year program. This system results in two separate credit hour totals for the two tracks: a 63 credit hour total for the Advanced Placement students in the two year track, and a 96 credit total for students with non-professional degree backgrounds in the three year track.

This structure is standard for all professional schools of architecture governed by the NAAB (the National Architectural Accrediting Board (naab.org/home)), the national accreditation body for schools of architecture. This organizational structure is also analogous, though not identical, to that of our sister program in the Knowlton School, the Master of Landscape Architecture program.

The MArch admissions procedures at the KSA closely follow the rules stipulated by the NAAB with regard to the way in which advanced placement can be granted. These include the rigorous review of a candidate's undergraduate design projects in their design portfolio and a transcript review of pre-professional support courses they have completed that closely overlap with the professional curriculum of our first year graduate program. Additionally, upon arrival at the School we collect syllabi and project descriptions from all waived courses for each advanced placement student so that the program can have an evolving library of courses undertaken by students from the pre-professional programs from which we typically receive applicants. This serves to further clarify the nature of each course and design studio and aids the admissions process when we make decisions about future advanced placement candidates. To assure compliance, these procedures are reviewed by the NAAB during regular accreditation visits.

The program communicates the advanced placement structure to both prospective and current students in a number of ways, these include: 1.) curricula sheets and recruitment packets, 2.) presentations at open houses and recruitment events, 3.) written descriptions on the website (knowlton.osu.edu/architecture/march), 4.) advising undertaken directly with faculty and the graduate administrative staff, 5.) and finally with forthcoming MArch studio work publications and brochures. We have attached to this addendum package our newly formatted MArch semester curriculum sheets as an example of how we clearly differentiate the credit hour totals for the two tracks of the MArch program.

We hope that this addendum clarifies the role of advanced placement within the MArch curriculum.

Sincerely,



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Master of Architecture with Advanced Placement

Primary contact: Stephen Turk, Graduate Program Chair (turk.1, 2-9050)

I. GENERAL PROGRAM INFORMATION

1. **Name of the Program:** Architecture
2. **Degree title:** Master of Architecture
3. **Academic unit(s) responsible for administrating the degree program:**
Knowlton School of Architecture
4. **Type of Program:** Master's degree
5. **Semester Conversion Designation:**
 - b. Converted with minimal changes to program goals and/or curricular requirements

II. PROGRAM REQUIREMENTS

6. **List program learning goals:**

The following program learning goals are consistent with and drawn from the National Architectural Accrediting Board (NAAB) guidelines.

Critical Thinking and Representation: Architects must have the ability to build abstract relationships and understand the impact of ideas based on research and analysis of multiple theoretical, social, political, economic, cultural and environmental contexts. This ability includes facility with the wider range of media used to think about architecture including writing, investigative skills, speaking, drawing and model making.

Integrated Building Practices, Technical Skills and Knowledge: Architects are called upon to comprehend the technical aspects of design, systems and materials, and be able to apply that comprehension to their services. Additionally they must appreciate their role in the implementation of design decisions, and the impact of such decisions on the environment.

Leadership and Practice: Architects need to manage, advocate, and act legally, ethically and critically for the good of the client, society and the public. This includes collaboration, business, and leadership skills.

7. **Proposed Program Requirements:**

The Master of Architecture degree with Advanced Placement is a two-year program that is anchored by the design studio and supported by courses in architectural theory, professional practice and technology (structures and systems). The program is intended only for students with pre-professional Architectural backgrounds, having received an undergraduate degree at a school of architecture with an accredited MArch program. These students are waived from first year course requirements through a process required and monitored by the program's accrediting board (NAAB), and begin their studies in the second year of the curriculum.

Waived Courses (33 credit hours; not included in credit hours required to graduate)

<i>History</i>	ARCH 5110 History of Architecture I, 4 ARCH 5120 History of Architecture II, 4
<i>Design</i>	ARCH 6410 Accelerated Architectural Design I, 6 ARCH 6420 Accelerated Architectural Design II, 6
<i>Construction</i>	ARCH 5510 Building Construction I, 3 ARCH 5520 Building Construction II, 3
<i>Structures</i>	ARCH 5710 Architectural Structures I, 4
<i>Systems</i>	ARCH 5810 Environmental, Mechanical, and Electrical Systems in Architecture I, 3

Required Courses (51 credit hours)

<i>Theory</i>	ARCH 7210 Architectural Theory I, 3 ARCH 7220 Architectural Theory II, 3 ARCH 8210 Master Practitioner Seminar, 3 ARCH 8220 Exit Review Seminar, 3
<i>Professional</i>	ARCH 7310 Practice of the Design Professions, 3
<i>Design</i>	ARCH 7410 Advanced Architectural Design I, 6 ARCH 7420 Advanced Architectural Design II, 8 ARCH 8410 Advanced Architectural Design III, 8 ARCH 8420 Advanced Architectural Design IV, 8
<i>Structures</i>	ARCH 6710 Architectural Structures II, 3
<i>Systems</i>	ARCH 6810 Environmental, Mechanical, and Electrical Systems in Architecture II, 3

Architectural Electives (6 credit hours)

To fulfill this requirement, students must take 3 credit hours of Theory and 3 credit hours of Technology.

<i>Theory</i>	ARCH 5190 Topics in Architectural History, 3 ARCH 5210 Forms of Architectural Theory, 3 ARCH 5290 Topics in Architectural Theory, 3
<i>Technology</i>	ARCH 5590 Topics in Building Technology, 3 ARCH 5690 Topics in Architectural Description, 3 ARCH 5390 Topics in Social and Economic Factors in Architecture, 3

Open Electives (6 credit hours)

Students are free to choose any graduate level course offering in the University to fulfill this requirement. Course options within the section include Architectural Electives and the following internal courses:

<i>Other Topics</i>	ARCH 5798 Study Tour, 1-15 ARCH 5960 Design Competition (cross-listed with CRP/LARCH 5960), 3
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8. Provide a curriculum map that shows how, and at what level (e.g., beginning, intermediate, advanced), the program's courses facilitate students' attainment of program learning goals. I=Introduce, E=Enhance, A=Apply.

Critical Thinking and Representation

Required Course	Communication skills	Design Thinking Skills	Visual Communication Skills	Technical Documentation	Investigative Skills	Fundamental Design Skills	Use of Precedents	Ordering Systems Skills	Historical Traditions and Global Culture	Cultural Diversity	Applied Research
ARCH 6410 Accelerated Arch Design I	I	I	I	I	I	I	I	I	I	I	I
ARCH 6420 Accelerated Arch Design II	E	E	E	I	I	E	E	E	I	I	I
ARCH 7410 Advanced Arch Design I	A	A	A	E	E	A	E	A	E	E	E
ARCH 7420 Advanced Arch Design II	A	A	A	A	A	A	A	A	A	A	A
ARCH 8410 Advanced Arch Design III	A	A	A	A	A	A	A	A	A	A	A
ARCH 8420 Advanced Arch Design IV	A	A	A	A	A	A	A	A	A	A	A
ARCH 5110 History of Architecture I	I	I			I	I	I	I	I	I	I
ARCH 5120 History of Architecture II	E	E			E		E	E	E	E	I
ARCH 7210 Architectural Theory I	A	A			A	E	E	A	A	E	E
ARCH 7220 Architectural Theory 2	A	A			A	E	E	A	A	E	E
ARCH Elective (Theory)	varies										
ARCH 8210 Master Practitioner Seminar	A	A	A	A	A	A	A	A	A	A	A
ARCH 8220 Exit Review Seminar	A	A	A		A	A	A	A	A	A	A
ARCH 5710 Structures I		I		I	I	I			I		I
ARCH 6710 Structures II	E	E		E	E	E					E
ARCH 5810 Systems I	I	I		I	I	I			I		I
ARCH 6810 Systems II	E	E		E	E	E					E
ARCH 5510 Building Construction I	I	I	I	E	I	I			I		I
ARCH 5520 Building Construction II	E	E	E	A	E	E					E
ARCH 7310 Professional Practice	A	A		A	A	E			E	A	E
ARCH Elective (Tech.)	varies										

Integrated Building Practices, Technical Skills, and Knowledge

Required Course	Pre-Design	Accessibility	Sustainability	Site Design	Life Safety	Comprehensive Design	Financial Considerations	Environmental Systems	Structural Systems	Building Envelope	Building Service	Building Materials and
ARCH 6410 Accelerated Arch Design I	I	I	I	I	I	I	I	I	I	I	I	I
ARCH 6420 Accelerated Arch Design II	I	I	I	I	I	I	I	I	I	I	I	I
ARCH 7410 Advanced Arch Design I	E	E	E	E	E	E	I	E	E	E	E	E
ARCH 7420 Advanced Arch Design II	A	A	A	A	A	A	E	A	A	A	A	A
ARCH 8410 Advanced Arch Design III	varies											
ARCH 8420 Advanced Arch Design IV	varies											
ARCH 5110 History of Architecture I			I									
ARCH 5120 History of Architecture II			I									
ARCH 7210 Architectural Theory I												
ARCH 7220 Architectural Theory 2												
ARCH Elective (Theory)	varies											
ARCH 8210 Master Practitioner Seminar	E	E	E	E	E	E	E	E	E	E	E	E
ARCH 8220 Exit Review Seminar	varies											
ARCH 5710 Structures I			I		I	E			A			
ARCH 6710 Structures II						E			A			
ARCH 5810 Systems I		E	E	E	E	E	I	A			A	
ARCH 6810 Systems II			A	E	E	E		A			A	
ARCH 5510 Building Construction I		E	E		E	E	I			A		A
ARCH 5520 Building Construction II			A		E	E	I			A		A
ARCH 7310 Professional Practice	E	E	E		E	E	A					
ARCH Elective (Tech.)	varies											

Leadership and Practices

Required Course	Collaboration	Human Behavior	Client Role in Architecture	Project Management	Practice Management	Leadership	Legal responsibilities	Ethics and Professional	Community and Social
ARCH 6410 Accelerated Arch Design I	I	I	I						
ARCH 6420 Accelerated Arch Design II	I	I	I					I	I
ARCH 7410 Advanced Arch Design I	E	E	E			I		E	E
ARCH 7420 Advanced Arch Design II	A	A	A	E	E	E	E	A	A
ARCH 8410 Advanced Arch Design III	varies								
ARCH 8420 Advanced Arch Design IV	varies								
ARCH 5110 History of Architecture I		I	I					I	I
ARCH 5120 History of Architecture II		I	I					I	I
ARCH 7210 Architectural Theory I		A	E					A	A
ARCH 7220 Architectural Theory 2		A	E					A	A
ARCH Elective (Theory)	varies								
ARCH 8210 Master Practitioner Seminar	E	A	A	E	E	E	E	A	A
ARCH 8220 Exit Review Seminar	varies								
ARCH 5710 Structures I	I								
ARCH 6710 Structures II	I								
ARCH 5810 Systems I	I								
ARCH 6810 Systems II	E								
ARCH 5510 Building Construction I	I	I	I	I	I	I	I	I	I
ARCH 5520 Building Construction II	E	E							
ARCH 7310 Professional Practice	A	A	A	A	A	A	A	A	A
ARCH Elective (Tech.)	varies								

9. Rationale for proposed program changes:

The Master of Architecture semester conversion process was simple, because its core curriculum is based on one-year course sequences and these courses are revisited annually. Therefore, in most cases, conversion entailed the redistribution of course material from three quarters to two semesters.

The Architecture Section took the opportunity, however, to reconfigure the distribution of building technology offerings. Previously, a one-year structural engineering sequence was required in the first year of the MArch Program, and a one-year building systems sequence in the second year of the MArch Program. The semester proposal splits the two sequences so that one semester of each occurs in the first and second years. The intention of these revisions is to introduce additional issues of sustainability and a more evenly distributed introduction to related disciplines within the curriculum. It also more fully and evenly reflects the first year course distribution that would be waived by pre-professional students entering with advanced placement.

10. Council on Academic Affairs reviewers' aid and credit hour expansion check:

Program credit hour requirements:		A.) Number of credit hours in current program	B.) Calculated result for $\frac{2}{3}$ of current quarter credit hours	C.) Number of credit hours required for new program
Total minimum credit hours required for completion of program		90	60.3	63
Required credit hours offered by the unit	Minimum	72	48.2	51
	Maximum	90	60.3	63
Required credit hours offered outside of the unit	Minimum	0	0	0
	Maximum	18	12	12
Required prerequisite credit hours not included above	Minimum	0	0	0
	Maximum	0	0	0

10. Credit hour expansion rationale:

No rationale necessary.

III. ASSESSMENT CONVERSION

11. Describe how the program's current quarter-based assessment practices will be modified to fit the semester calendar. If a degree program does not have a plan on file with the Office of Academic Affairs, provide a list of the following:

- a. The means the program uses/will use to evaluate how well students are attaining program goals.

The Architecture Section benefits from a continuous and multi-level assessment process.

- **Student Evaluations.** Students must provide University standard evaluations for every course and are encouraged to provide additional written evaluations.
- **Peer Evaluation.** Faculty peer evaluations are an integral part of promotion review, but are also instrumental to assessing the success of particular courses and teaching strategies.
- **Final Reviews.** Public final reviews of student design projects take place at the end of every semester. Because architecture is a synthetic discipline, these projects are a holistic gauge of student progress. Because jurors are enlisted from other parts of the curriculum and other institutions, a wide constituency judges student progress.
- **Undergraduate and Graduate Chairs.** Undergraduate and Graduate Chairs meet with student representatives on a monthly basis in an open discussion of the life of the school including curriculum. The Chairs also hold exit meetings with all graduating students during their final Spring semester.
- **Curriculum Committees.** The Undergraduate and Graduate Curriculum Committees are continually assessing curricular strengths.
- **Executive Meetings.** The Director of the School meets bi-weekly with the Section Heads of Architecture, Landscape Architecture, and City and Regional Planning to discuss the ongoing operation of the school and new initiatives. A central agenda item for these meetings will be semester conversion.
- **Faculty Meetings.** The Section holds monthly faculty meetings and the School holds meetings each semester that allow for continual assessment.
- **Outside Review.** The University has initiated a program of external review, and the School also hosted its external review in November of 2010.
- **Advisory Council.** The Director of the School holds semi-annual meetings with the Advisory Council comprised of nine prominent alumni and university leaders.
- **Strategic Plan.** The School's Strategic Plan's six objectives are coupled with specific strategies and initiatives that allow the school's progress to be gauged by all constituencies: administration, faculty, staff, students, and alumni. These strategies and initiatives link the school's progress to the University's Academic Plan and, here, too, semester conversion will be central.
- **National Architectural Accrediting Board (NAAB) Report.** The MArch Program is reviewed every six years by an accreditation team comprised of representatives of academic, professional, and licensing organizations.
- **National Council of Architectural Registration (NCARB) / Architectural Registration Exam (ARE) pass rates.** NCARB maintains a database of ARE pass rates according to institution.

- b. How the program uses / will use the evaluation data listed above to periodically make evidence-based improvements to the program.

Inasmuch as the Architecture Section benefits from a multi-level assessment process, it profits from an agile implementation strategy. Necessary changes are agreed upon as the need arises at monthly faculty meetings. Changes are then implemented by the faculty at the beginning of every academic year, and when possible, at the beginning of the following semester.

IV. TRANSITION POLICY

- 12. Include a policy statement from the chair of the department / unit that assures those students who began their degree under quarters that the transition to semesters will not delay their graduation nor disrupt progress toward a degree:**

Students who begin the Master of Architecture program will be able to proceed with progress towards their degree without delay or disruption. Advisors and/or faculty will meet with all students to develop an individualized transition plan at least one year in advance of the semester conversion. Students will be provided with transition plans that ensure courses taken to date will be applied to complete their degree. Where appropriate students may take an independent or group studies course with a faculty member to fulfill any courses which are core requirements under the quarter degree plan, but that will not be available under the semester degree program.

Master of Architecture - Current (quarters-based) Curriculum Advising Sheet

Year 2 (G2)

	Arch 841 Advanced Arch Design I	6
Autumn Quarter	Arch 801 Architectural Theory I	3
	Arch 661 Systems I	3
	Elective	3
	Arch 842 Advanced Arch Design II	6
Winter Quarter	Arch 802 Architectural Theory II	3
	Arch 662 Systems II	3
	Arch 724 Structural Design in Architecture	3
	Arch 844 Vertical Studio	6
Spring Quarter	Arch 803 Architectural Theory III	3
	Arch 663 Systems III	3
	Elective	3

Year 3 (G3)

	Arch 844: Advanced Arch Design IV	6
Autumn Quarter	Arch 701: Baumer Seminar	3
	Arch 751: Pro Practice I	3
	Elective	3
	Arch 642: Advanced Arch Design V	6
Winter Quarter	Arch 752: Pro Practice II	3
	Theory Distribution	3
	Elective	3
	Arch 844: Advanced Arch Design VI (Exit)	6
Spring Quarter	Technology Distribution	3
	Elective	3
	Elective	3

Master of Architecture - New (semesters-based) Curriculum Advising Sheet

Year 2 (G2)

Autumn Semester	Arch 7410 Advanced Arch Design I	6
	Arch 7210 Architectural Theory I	3
	Arch 6710 Structures II	3
	Architectural Elective	3
Spring Semester	Arch 7420 Advanced Arch Design II	8
	Arch 7220 Architectural Theory II	3
	Arch 6810 Systems II	3
	Architectural Elective	3

Year 3 (G3)

Autumn Semester	Arch 8410 Advanced Arch Design III	8
	Arch 8210 Master Practitioner Seminar	3
	Arch 7310 Professional Practice	3
	Architectural Elective	3
Spring Semester	Arch 8420 Advanced Arch Design IV	8
	Arch 8220 Exit Review Seminar	3
	Architectural Elective	3