

# ARCHITECTURE (ARCH)

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## **ARCH 6450 Inquiry by Design 3 cr**

(Formerly 050.645) An exploration of design/research, to contrasting design and research via dialectical and practical inquiry. Research design and research methods instruction, in support of applied research to critique design theory and to build new design knowledge.

## **ARCH 7000 Advanced Technology Topics I 1.5 cr**

One five-week seminar and/or project-based topics offering in-depth study of advanced building systems, technology, and methods. Options are grounded in faculty research and build upon foundation technology courses. Some topics may be deemed mandatory at the department's discretion. Topics may be taken in the fall and/or winter terms.

## **ARCH 7010 Advanced Technology Topics 2 1.5 cr**

One five-week seminar and/or project-based topics offering in-depth study of advanced building systems, technology, and methods. Options are grounded in faculty research and build upon foundation technology courses. Some topics may be deemed mandatory at the department's discretion. Topics may be taken in the fall and/or winter terms.

## **ARCH 7020 Research Topics: History and Theory 1 1.5 cr**

One five-week lecture, seminar and/or project-based topics offering an in-depth study of an historical and/or theoretical subject. Options are grounded in faculty research and build upon foundation history/theory courses. Some topics may be deemed mandatory at the department's discretion. Topics may be taken in the fall and/or winter terms.

## **ARCH 7030 Research Topics: History and Theory 2 1.5 cr**

One five-week lecture, seminar and/or project-based topics offering an in-depth study of an historical and/or theoretical subject. Options are grounded in faculty research and build upon foundation history/theory courses. Some topics may be deemed mandatory at the department's discretion. Topics may be taken in the fall and/or winter terms.

## **ARCH 7040 Professional Practice 3 cr**

Is concerned with the duties and responsibilities of an architectural practice; its divisions, office organization and administration, in Manitoba and Canada. The lectures relate in scope and standard to current models of practice and their requirements, including issues of building economics and construction cost control.

## **ARCH 7050 Arch Studio 5 and Comprehensive Program Report 9 cr**

Develop design explorations and seek to clarify relations between architectural criteria and the urban/natural environments in national or international contexts. Conceptual, programmatic, material, technological, economic, and political principles and systems employed are to be evident in the Comp. Prog Report.

## **ARCH 7060 Arch Studio 6 9 cr**

The previous term's investigations are further developed into a comprehensive architectural design proposal. The thorough integration of design and programming criteria, with building and environmental systems and assemblies are examined.

## **ARCH 7070 Design Research Studio 9 cr**

This final design studio involves concerted research and design explorations of an individually defined subject of inquiry, within a selected studio thematic focus. These investigations are intended to prepare students for their final Design Thesis.

## **ARCH 7080 Technology Thesis Report 3 cr**

Technology Thesis Report is an advanced project-based course done in conjunction with the Design Thesis project. The report is related to an individual student's design thesis topic, focusing on specific aspects of technology and applied tech. research. Advisor supervision and external engineering consultancy or agreed equivalent are required.

## **ARCH 7100 Advanced Technology Topics 3 cr**

Seminar and/or project-based topics offering in-depth study of advanced building systems, technology, and methods. Options are grounded in faculty research and build upon foundation technology courses. Some topics may be deemed mandatory at the department's discretion. Topics may be taken in the fall and/or winter terms. Different topics under the same course may be taken for credit.

## **ARCH 7120 Research Topics: History and Theory 3 cr**

Lecture, seminar and/or project-based topics offering an in-depth study of an historical and/or theoretical subject. Options are grounded in faculty research and build upon foundation history/theory courses. Some topics may be deemed at the department's discretion. Topics may be taken in the fall and or winter terms. Different Topics under the same course number many be taken for credit.

## **ARCH 7350 Legal Aspects of Architectural Practice 3 cr**

Discusses the importance of the knowledge of law as it relates to professional practice of architecture, including a discussion of the historical development of legal responsibilities of a practicing professional generally and of architects specifically. There is also discussion of trends in the development of professional responsibility and liability.