

National University of Science and Technology
Faculty of Architecture and Quantity Surveying

Department of Architecture
Bachelor of Architectural Studies (Honors) Degree

Part III Second Semester Examinations, June 2004

AAR 3204 Contemporary History and Theory of Architecture II

Instructions

Time: 3 Hours

You are to answer all four (4) questions. All questions carry equal marks. Sketches should accompany all answers where appropriate. Do not repeat the same parts of answers for different questions.

Questions

1. Using sketches to illustrate some of their works, discuss the influences on the architectural development of ten (10) of the following architects or groups:

Alvar Aalto, Jeffrey Bava, Hendrik Petrus Berlage, Coop Himmelblau, Peter Eisenman, Richard Buckminster Fuller, Michael Graves, Walter Gropius, Philip Cortelyon Johnson, Charles Korea, Leon & Robert Krier, Adolf Loos, Kazimir Malevich, Richard Alan Meier, Erich Mendelsohn, Charles Willard Moore, Pier Luigi Nervi, Oscar Niemayer, Frei Otto, Auguste Perret, Aldo Rossi, Antonio Sant'Elia, Albert Speer, James Stirling, Louis Sullivan, Bruno Taut, Giuseppe Terragni, Bernard Tschumi, Joern Utzon, Robert Venturi, Otto Koloman Wagner.

2. Discuss the following statement:

"The essence of a work of architecture is an organic link between concept and form. Pieces cannot be subtracted or added without upsetting fundamental properties... the organizing idea is a hidden thread connecting disparate parts with exact intention... From this position experiential phenomena are the material for a kind of reasoning that joins concept and sensation... Outer perception (of the intellect) and inner perception (of the senses) are synthesized in an ordering of space, light and material." (Steven Holl, an American architect).

3. Describe in detail five (5) of the following buildings or groups, and explain their significance in the development of contemporary architecture:

The Crystal Palace, London; Eiffel Tower, Paris; School of Art, Glasgow; Bauhaus, Dessau; Schocken Department Store, Stuttgart; Weissenhofsiedlung, Stuttgart; "Fallingwater", Bear Run; Villa Tugendhat, Brno; Unite d'Habitation, Marseille; Seagram Building, New York; TWA Terminal, New York; Centre Georges Pompidou, Paris; Hong Kong & Shanghai Bank Hong Kong; Olympic Stadium, Munich; Guggenheim Museum, Bilbao.

4. Briefly discuss five (5) of the following architectural styles and terms, and explain their contribution to the development of contemporary architecture, using sketches to illustrate selected buildings:

Art Nouveau, Arts and Crafts, Bauhaus, Brutalism, Chicago School, Constructivism, Cubism, Deconstructivism, High Tech, Jugendstil, Modern Architecture, Neoplasticism, Postmodern Architecture, Purism, Rationalism, Regionalism, Secession, Vernacularism.