

Course Level Mapping: Graduate Attributes Overview

Units common to all specialisations are shaded light grey.

Units common to the Architecture and Interior specialisations are shaded mid grey.

Course: Bachelor of Environmental Design (incorporating the Associate Degree in Furniture Design)			Undergraduate <input type="checkbox"/>		
Unit Code/Title	Knowledge	Communication Skills	Problem-solving	Global Perspective	Social Responsibility
Year 1 for Bachelor of Environmental Design					
KDA 111 Design Studio 1 Major integrating unit	Design explorations Architecture and design spatial and aesthetic principles	Use communicate design ideas in text, visual media and modelling Oral presentation to peers academics – clear arguments	Skills for self critique Site data collection and analysis Development of a working method		Consideration of social and environmental issues in design
KDA 130 Design Workshop1 Major integrating unit	Principles and elements of design Introduction to feasibility	Report writing – text, visual Oral presentation to peers – clear arguments	Solve 3D problems using drawings and models		
KDA 115 Building Technology 1	Principles of sustainable design and architectural science	Basic CAD skills Report writing, oral presentation	Use knowledge of human comfort to inform design Teamwork skills	How location, climate and culture effect design	Sustainable design principles
KDA 131 Furniture Technology 1	Tools, material properties	Report writing Oral presentation to peers, academics – clear arguments	Application of design methodology Evaluation techniques		OH&S
KDA 114 History and Theory in Design 1	Greek to post Baroque Library skills, research	Information literacy skills Essay writing		Western architectural and design traditions links with North Asia and Africa	
KDA 136 Design Communication 1	Conventions of measured and free-hand drawing	Visual communication skills freehand, measured, computer Giving and receiving feedback			
KDA 121 Design Studio 2 Major integrating unit	Design explorations Integration of design principles with technical requirements	Use prototypes to design and communicate Sketch Up computer package	Design in projects with increased complexity Develop skills for self critique and responding to feedback from others Multidisciplinary design teamwork		Ergonomics – comfort and safety in design
KDA 133 Design Workshop 2 Major integrating unit	Brief development, concept design, prototyping	Oral and visual presentation to peers	Design problem solving small scale Critical evaluation		
KDA 125 Building Technology 2	Structural design – structural mechanics Timber framed structures	Report writing Documentation	Design to solve structural problems		Thermal modelling

KDA 134 Furniture Technology 2	Materials and machinery Time management	Report writing development			
KDA 124 History and Theory in Design 2	Western design and architecture to 18 th C Research skills development	Critical analysis Essay writing		Western architectural and design traditions	
KDA 137 Design Communication 2	Understanding the relevance of different drawing techniques and their application to various design activities	Abilities to use graphic communication skills to: support design processes, design discussion and documentation			
Year 2 for Bachelor of Environmental Design					
KDA 211 Design Studio 3 Major integrating unit	Articulate personal design approach	Present designs orally with clear explanation of design thinking and outcome	Schematic design and design development – small to medium scale – moderate complexity Integration of construction principles		Justify design from perspective of sustainability
KDA 209 Interior Design Studio 1 Major integrating unit	Use of materials in design Design transitions	Present designs orally with clear explanation of design thinking and outcome	Schematic interior design and design development – small to medium scale – moderate complexity		Justify design from perspective of sustainability
KDA 230 Design Workshop 3 Major integrating unit	Design innovation for mass and batch production Evaluation against criteria	Present designs orally with clear explanation of design thinking and outcome	Design problem solving – integration with technology Teamwork skills		
KDA Building Technology in Design 3	Structure and construction for medium sized commercial buildings	Documentation and detailing CAD skills development	Technical research and problem solving skills		Sustainable design
KDA 210 Interior Materials and Components	Interior materials and components	Documentation, scheduling and detailing CAD skills development	Technical research and problem solving skills		Sustainability
KDA 238 Furniture Technology 3	CAD design and production	Technical communication	Technical research and problem solving skills		
KDA 212 History and Theory in Design 3	20 th C history and movements	Scholarly writing Oral presentation		Global / local relationships	
KDA 221 Design Studio 4 Major integrating unit	Generation and integration of architectural and constructional concepts	Oral presentation of design thinking and outcomes to practitioners	Analysis of issues and synthesis of a variety of concerns		
KDA 215 Interior Design Studio 2 Major integrating unit	Medium scale project – moderate complexity Scale relationships Some independent design development	Documentation and detailing of furniture and interior details Oral presentation of design thinking and outcomes to practitioners	Analysis of issues and synthesis of a variety of concerns Develop self critique skills		

KDA 231 Design Workshop 4 Major integrating unit	Designing and making contemporary furniture, Peer feedback	Oral presentation of design thinking and outcomes to practitioners	Complex design resolving technical human use, production issues		Ergonomics – human comfort and safety
KDA 223 Building Technology in Design 4	Building regulation and control Statutory regulation for complex buildings			Social responsibilities in building	Sustainability issues in regulation
KDA 216 Furniture for Interiors	Furniture design selection and construction overview	Documentation, detailing and scheduling for furniture	Precedent analysis for furniture design		Ergonomic issues OH&S
KDA 239 Furniture Technology 4	Furniture production, CNC router				Sustainability and environmental impacts
KDA 222 History and Theory in Design 4	Australian architecture and design	Scholarly writing Skills in research, analysis and synthesis		Context for Australian developments	
Year 3 for Bachelor of Environmental Design					
KDA 311 Design Studio 5 Major integrating unit	Medium scale buildings with significant complexity		Develop site analysis skills for sloping sites	Social content of architectural programs	
KDA 319 Interior Design Studio 3 Major integrating unit	Interior spaces with significant complexity Significant independent work		Generation of design ideas Resolution of multi-variables	Integration of social responsibilities in design	
KDA 305 Design Workshop 5 Major integrating unit	Design research and brief development	Presentation to professionals	Design problem setting, goal clarification		Justify design for sustainability, social responsibility
KDA 313 Building Technology in Design 5	Commercial building environments, acoustics and lighting				Sustainability on water, energy, ventilation
KDA 320 Healthy Interior Environments	Building service Human comfort Ergonomics Legal frameworks	Communication with services engineers and clients			Issues of sustainability, health and safety
KDA 307 Professional Practice 1	Characteristics of the industry Feasibility studies		Business contexts for problem solving		Professional ethics
KDA 312 History and Theory in Design 5	Man –Environment interactions			Cross cultural comparisons	
KDA 321 Design Studio 6 Major integrating unit	Complex multi-level mixed use urban buildings	Communicate visually and orally to professional standard Public exhibition	Program analysis and site analysis for design decision making	Justify design from the perspective of social responsibility	Justify design from the perspective of sustainability

KDA 325 Interior Design Studio 4 Major integrating unit	Medium to large scale sequence of mixed use interiors – significant complexity	Articulate personal design approach and position Communicate visually and orally to professional standard Public exhibition	Resolution of lighting and acoustic issues Design to budget	Justify design from the perspective of social responsibility	Justify design from the perspective of sustainability
KDA 306 Design Workshop 6 Major integrating unit	Full project realisation Generate new design knowledge Design identity	Communicate visually and orally to professional standard Public exhibition	Resolution of design, technical, environmental and social elements	Justify design from the perspective of social responsibility	Justify design from the perspective of sustainability
KDA 323 Building Technology in Design 6 (PS)	Find, acquire, evaluate, manage and use relevant information in regard to structure, construction and regulations for larger scale buildings	Work effectively in a group and individually, present research in a variety of ways and be effective in communication through oral, drawing and report writing	Define, analyse and research into technical problem solving for envelope design and addressing cost issues	Demonstrate an awareness of the local and global context of the topics covered	Sustainability and embodied energy issues
KDA 326 Interior Lighting and Acoustics	Lighting design and technology Acoustic design and technology		Technical problem solving Implications for design		Sustainability
KDA 322 History and Theory in Design 6	Modernist and contemporary theory				Concepts of social responsibility
Electives					
KDA381 and 382 Learning By Making	Make important links between design and construction knowledge through first-hand explorations in the workshop	Two unique experiences to further develop your confidence in 'work place' communication: 1. Collaborative design and make process provides many skills and strategies, both verbal and non-verbal, to negotiate different creative solutions 2. Meaningful exchanges between designer and the clients in developing the brief and refining the design	Designers will further develop their design processes/ problem solving skills through balancing money and construction considerations	Through the process of clarifying the clients brief, designers expand their cultural and contextual perspectives.	Being able to make a meaningful contribution to a community project through the use of the designer's creative skills
Course: Master of Architecture			Post graduate <input type="checkbox"/>		
Unit Code/Title	Knowledge	Communication Skills	Problem-solving	Global Perspective	Social Responsibility
Year 1 for Master of Architecture					

KDA711 Design Studio 7	Graduates will have developed a sound awareness of management and legal theory and its applicability to the process of architecture and associated professional development beyond university life	Graduates will be equipped with a range of writing, oral, graphic and critical analysis skills	Graduates will be grounded and skilled in essential problem solving attributes	Graduates will possess a grounding in international management skills, as they apply to the practice of architecture	Graduates will be aware of the social issues, ethics and responsibilities pertinent to their everyday professional and personal lives
KDA712 Professional Studies					
KDA 713 Building Technology 7					
KDA721 Design Studio 8	Through the development of a broad knowledge base and the synthesis of this knowledge in a design context, and through the capacity for self-reflection	Through oral and graphic presentations and the identification of mediums appropriate for a given situation, and through evaluating the views of others	Through identifying critical issues and through conceptualising problems and formulating solutions	Through demonstrating an awareness of the local and global context of the profession	Through acknowledging the social and ethical implications of actions
KDA722 Theory in Design					
KDA723 Building Technology 8	Graduates will have developed a sound awareness of primary, secondary and tertiary structural and construction systems and of graphic and written statutory and contract documentation as in their application to architectural structures	Graduates will be equipped with a wide range of writing, oral, graphic and critical analysis skills	Graduates will be grounded and skilled in essential problem solving attributes	Graduates will possess a grounding at both national and international levels, as they apply to the practice of architecture	Graduates will be aware of the social issues, ethics and responsibilities pertinent to the subject matter under this unit, including sustainability and embodied energy issues
Year 2 for Master of Architecture					
KDA814 Design Studio 9					
KDA812 Dissertation 1					
KDA813 Design Research					