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1	Topics Natural systems	Content Description <p>Focuses on the principles of ecology, conservation, and sustainable design as they relate to Australian landscapes. Participants will build upon their knowledge of the complexity of natural systems, including geology, hydrology, vegetation, and wildlife, and how these elements can be integrated into landscape architecture to create resilient, sustainable, and ecologically sound environments.</p>	Learning Outcome 1. Understand the Fundamentals of Natural Systems: <ul style="list-style-type: none"> - Gain a comprehensive understanding of the components that make up natural systems, including geological formations, water cycles, plant communities, and wildlife habitats. - Recognize the unique characteristics and challenges of Australian ecosystems, from arid landscapes to tropical rainforests. 2. Apply Principles of Ecology in Design: <ul style="list-style-type: none"> - Integrate ecological principles into landscape design and planning, promoting biodiversity, ecosystem health, and resilience. - Design with an understanding of ecological processes, such as succession, disturbance, and regeneration, to support sustainable landscapes. 3. Assess and Mitigate Environmental Impact: <ul style="list-style-type: none"> - Conduct environmental impact assessments to evaluate the potential effects of landscape interventions on natural systems. - Develop strategies to mitigate negative impacts and enhance positive contributions to the environment, including habitat restoration and conservation measures. 4. Implement Sustainable Water Management Practices: <ul style="list-style-type: none"> - Design water-sensitive landscapes that utilize natural hydrological processes for stormwater management, erosion control, and water conservation. - Apply knowledge of Australian water systems to create landscapes that respond to the challenges of water scarcity and climate variability. 5. Promote Soil Health and Vegetation Management: <ul style="list-style-type: none"> - Understand soil characteristics, classification, and health, and their importance in supporting plant life and overall ecosystem function. - Implement vegetation management practices that promote native biodiversity, prevent erosion, and support healthy soil ecosystems. 6. Engage in Conservation and Restoration Efforts: <ul style="list-style-type: none"> - Participate in conservation planning and landscape restoration projects, applying best practices to restore ecological integrity and landscape resilience. - Collaborate with environmental scientists, conservationists, and local communities to ensure landscape projects contribute to regional conservation goals.
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<p>Connection to Country</p>	<p>Designed for practicing landscape architects in Australia with a focus on deepening their understanding and appreciation of Indigenous cultures, histories, and connections to the land. It aims to equip landscape architects with the knowledge and skills necessary to respectfully integrate Indigenous perspectives and practices into landscape design and planning, fostering genuine Connections to Country and contributing to the reconciliation process. The curriculum emphasizes the importance of collaboration with Indigenous communities, ethical engagement, and the application of traditional ecological knowledge in creating landscapes that are culturally meaningful, sustainable, and respectful of the land's deep history.</p>	<ol style="list-style-type: none"> 1. Understand Indigenous Connections to Country: <ul style="list-style-type: none"> - Gain a deep appreciation for the significance of Country to Indigenous Australian peoples, including spiritual, cultural, social, and ecological dimensions. - Recognize the diversity of Indigenous cultures across Australia and the varied ways in which these cultures relate to and care for the land. 2. Learn from Indigenous Knowledge Systems: <ul style="list-style-type: none"> - Understand the principles of traditional ecological knowledge and how these can inform sustainable landscape practices. - Appreciate the value of Indigenous land management practices, such as fire-stick farming, and their relevance to contemporary landscape architecture. 3. Engage Ethically with Indigenous Communities: <ul style="list-style-type: none"> - Develop skills for ethical engagement with Indigenous communities, including communication, consultation, and collaboration practices that respect Indigenous sovereignty and self-determination. - Understand the protocols and sensitivities involved in working with Indigenous knowledge and sites of cultural significance. 4. Integrate Indigenous Perspectives in Design: <ul style="list-style-type: none"> - Apply insights from Indigenous knowledge systems and cultural values in the design and planning of landscapes, ensuring that projects contribute to the health and well-being of both the land and Indigenous communities. - Design landscapes that reflect and celebrate Indigenous culture, history, and connection to place, incorporating elements such as native plantings, cultural pathways, and interpretive signage. 5. Contribute to Reconciliation and Healing: <ul style="list-style-type: none"> - Recognize the role of landscape architecture in supporting reconciliation efforts, including the healing of landscapes and communities affected by colonization. - Implement design and planning practices that acknowledge past injustices and contribute to the healing and empowerment of Indigenous communities. 6. Advocate for Indigenous Rights and Recognition: <ul style="list-style-type: none"> - Understand the legal and policy frameworks related to Indigenous land rights, cultural heritage protection, and native title in Australia. - Advocate for the recognition and integration of Indigenous rights and perspectives in the broader landscape architecture profession and in public policy.

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4	Heritage	<p>Focuses on understanding the principles of heritage conservation, the significance of cultural and natural heritage sites, and the strategies for integrating heritage into contemporary landscape architecture projects. The curriculum covers the legal and ethical frameworks governing heritage conservation in Australia, techniques for assessing heritage values, and approaches to design that respect, enhance, and revitalize heritage sites while meeting contemporary needs.</p>	<ol style="list-style-type: none"> 1. Understand Heritage Principles and Frameworks: <ul style="list-style-type: none"> - Gain a comprehensive understanding of the concepts of cultural and natural heritage, including the significance of Indigenous heritage sites in Australia. - Familiarize with national and state legislation, policies, and guidelines governing heritage conservation in Australia, including the Australia ICOMOS Charter for Places of Cultural Significance (The Burra Charter). 2. Assess Heritage Values: <ul style="list-style-type: none"> - Develop skills in assessing the heritage values of landscapes and built environments, employing methodologies for historical research, cultural significance assessment, and condition reporting. - Understand the role of landscape architects in contributing to heritage studies, conservation management plans, and heritage impact assessments. 3. Design with Sensitivity to Heritage: <ul style="list-style-type: none"> - Apply design strategies that sensitively integrate new interventions with heritage contexts, enhancing the character and values of heritage sites while addressing contemporary functional requirements. - Innovate within the constraints of heritage settings to create spaces that are accessible, usable, and relevant to current and future generations. - Developing and managing cultural heritage management plans. 4. Engage with Stakeholders and Communities: <ul style="list-style-type: none"> - Develop strategies for effective engagement with stakeholders, including heritage authorities, local communities, Indigenous groups, and clients, to ensure that heritage considerations are integrated into the design process. - Recognize the importance of community and Indigenous perspectives in understanding and interpreting heritage values and narratives. 5. Implement Conservation and Adaptation Techniques: <ul style="list-style-type: none"> - Understand conservation techniques and principles applicable to landscape architecture, including preservation, restoration, reconstruction, and adaptation. - Apply adaptive reuse principles to heritage contexts, ensuring that changes and additions are compatible with heritage values and enhance the site's long-term sustainability. 6. Navigate Ethical and Legal Considerations: <ul style="list-style-type: none"> - Address ethical considerations in heritage work, including respect for Indigenous cultural practices, integrity in representing historical narratives, and transparency in decision-making processes. - Navigate the legal implications of heritage conservation, including compliance with heritage listings, approvals for alterations, and the implications of heritage status on development proposals.

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5	<p>Climate change</p>	<p>Designed for practicing landscape architects in Australia seeking to address the challenges posed by climate change through resilient and sustainable landscape design. It focuses on understanding the impacts of climate change on the Australian landscape, including increased temperatures, altered precipitation patterns, sea-level rise, and extreme weather events. The curriculum emphasizes strategies for adaptation and mitigation, the role of green infrastructure, and the integration of climate science into landscape architecture to create environments that are resilient, adaptive, and capable of mitigating climate change impacts.</p>	<ul style="list-style-type: none"> - Recognise the current and projected impacts of climate change specific to different regions of Australia, including effects on ecosystems, biodiversity, water resources, and urban environments. - Recognise the importance of landscape architecture in contributing to climate resilience and sustainability. <p>2. Apply Adaptation Strategies:</p> <ul style="list-style-type: none"> - Develop adaptation strategies in landscape design to enhance resilience to climate change, including flood mitigation, drought tolerance, heat reduction, and habitat protection. - Design landscapes that are flexible and adaptive to changing climatic conditions, ensuring long-term environmental health and community well-being. <p>3. Implement Mitigation Techniques:</p> <ul style="list-style-type: none"> - Utilize landscape architecture practices to mitigate climate change, including carbon sequestration through vegetation and soil management, reduction of urban heat island effect, and promotion of sustainable transportation options. - Incorporate renewable energy sources and sustainable materials into landscape projects to reduce carbon footprints. <p>4. Promote Green Infrastructure and Ecosystem Services:</p> <ul style="list-style-type: none"> - Integrate green infrastructure solutions, such as green roofs, urban forests, and permeable pavements, to provide ecosystem services, enhance biodiversity, and improve urban livability. - Design with nature to restore and enhance natural systems that can buffer the impacts of climate change while providing recreational, aesthetic, and health benefits. <p>5. Engage in Interdisciplinary Collaboration:</p> <ul style="list-style-type: none"> - Collaborate with scientists, urban planners, engineers, and community groups to develop interdisciplinary approaches to climate change adaptation and mitigation. - Leverage collective expertise to innovate and apply comprehensive solutions to the complex challenges posed by climate change. <p>6. Advocate for Climate-Conscious Policies and Practices:</p> <ul style="list-style-type: none"> - Understand the policy context related to climate change and landscape architecture, including national and state-level climate adaptation plans and sustainability goals. - Advocate for policies and practices that promote climate resilience and sustainability in landscape architecture and urban planning. - Navigate the complexities and competing priorities of development and preservation. <p>7. Utilise Climate Adaptation tools - such as Pathfinder</p>

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6	<p>Planning instruments</p>	<p>Focuses on equipping landscape architects with the knowledge and skills needed to navigate planning systems, understand zoning laws, environmental regulations, development controls, and policy frameworks effectively. The curriculum emphasizes the application of these planning instruments in the context of sustainable landscape design and development, advocating for best practices in environmental stewardship, community engagement, and urban resilience, whilst displaying an awareness of ethical considerations and legal impacts.</p>	<ol style="list-style-type: none"> 1. Understand Australian Planning Systems: <ul style="list-style-type: none"> - Gain a comprehensive overview of the Australian planning system, including the hierarchy of planning instruments from national policies to local development controls. - Familiarize with the roles of various government bodies and agencies in the planning process and landscape architecture's role within this context. 2. Navigate Zoning Laws and Development Controls: <ul style="list-style-type: none"> - Interpret zoning laws, overlays, and development controls and their implications for landscape architecture projects. - Apply knowledge of these regulations to ensure project compliance and to advocate for design solutions that meet or exceed regulatory requirements. 3. Incorporate Environmental Legislation and Policies: <ul style="list-style-type: none"> - Understand key environmental legislation and policies affecting land use and landscape architecture, including biodiversity conservation, water management, and climate change adaptation. - Integrate sustainable and environmentally responsible practices into landscape designs, aligning with environmental regulations and sustainability goals. 4. Engage with Community and Stakeholder Participation Processes: <ul style="list-style-type: none"> - Recognize the importance of community engagement and stakeholder participation in the planning process. - Develop strategies for effective communication and collaboration with communities, stakeholders, and government officials to achieve project outcomes that are socially equitable and environmentally sustainable. 5. Advocate for Landscape Architecture in Public Policy: <ul style="list-style-type: none"> - Understand how to influence public policy and planning decisions through advocacy, professional representation, and submission of evidence-based design and planning proposals. - Promote the value of landscape architecture in creating resilient, healthy, and livable communities through strategic engagement in the planning process. 6. Apply Planning Instruments in Practice: <ul style="list-style-type: none"> - Utilize planning instruments in the design, development, and implementation of landscape architecture projects, from conceptual design through to construction and management. - Address challenges and leverage opportunities presented by planning instruments to achieve innovative and impactful design outcomes.

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7	<p>Visual Impact Assessment</p>	<p>To assess and manage the visual impacts of development projects on landscapes and urban environments. It focuses on the methodologies, tools, and techniques used to evaluate visual impacts, the integration of aesthetic considerations into planning and design processes, and the development of strategies to mitigate adverse visual effects. The curriculum emphasizes understanding the theoretical foundations of visual perception and landscape aesthetics, applying visual impact assessment (VIA) techniques in compliance with Australian standards and guidelines, and communicating visual impact findings effectively to stakeholders.</p>	<ol style="list-style-type: none"> 1. Understand the Principles of Visual Impact Assessment: <ul style="list-style-type: none"> - Grasp the fundamental concepts of visual perception, landscape aesthetics, and the theoretical basis for assessing visual impacts. - Recognize the importance of VIA in the planning and development process, including its role in environmental impact assessment (EIA) frameworks in Australia. 2. Conduct Visual Impact Assessments: <ul style="list-style-type: none"> - Employ standard methodologies and tools for conducting VIAs, including viewshed analysis, photomontage, and computer-generated visualizations. - Assess the visual impacts of proposed developments on various landscapes and urban settings, considering factors such as visibility, viewer sensitivity, and landscape character. 3. Develop Mitigation and Enhancement Strategies: <ul style="list-style-type: none"> - Formulate strategies to mitigate negative visual impacts of development projects, including landscape design interventions, screening, and careful siting of structures. - Propose enhancements to improve visual quality and contribute positively to the landscape or urban fabric. 4. Navigate Legal and Policy Frameworks: <ul style="list-style-type: none"> - Understand the legal, regulatory, and policy context for VIA in Australia, including relevant national, state, and local guidelines. - Ensure compliance with statutory requirements for visual impact assessment and reporting. 5. Engage with Stakeholders and Communicate Findings: <ul style="list-style-type: none"> - Develop effective stakeholder engagement strategies to gather input and address concerns related to visual impacts. - Communicate VIA findings clearly and persuasively to a variety of audiences, including clients, planning authorities, and the public, through reports, presentations, and visual materials. 6. Apply VIA in Landscape Architecture Practice: <ul style="list-style-type: none"> - Integrate visual impact considerations into landscape architecture practice, from initial site analysis and design conception through to project implementation. - Utilize VIA as a tool for informed decision-making and advocacy for high-quality, visually coherent landscapes and developments.