Course Outline (Higher Education)

Institute / School:	Institute of Education, Arts & Community
Course Title:	CURRICULUM STUDIES 1: TECHNOLOGIES, DESIGN AND SYSTEMS
Course ID:	EDBED3046
Credit Points:	15.00
Prerequisite(s):	Nil
Co-requisite(s):	Nil
Exclusion(s):	Nil
ASCED:	070301

Description of the Course:

This course introduces and develops core teaching methods that underpin the knowledge, skills and attitudes conveyed through the years 7-10 Technologies Curriculum in Victoria. Pedagogy, planning and assessment for secondary students in the junior and middle years are learned. Contemporary theories in technology, technacy and design education for the classroom and project-based learning settings are explored and applied. Curriculum structures within the 7-10 Technologies classroom are examined to foster creativity, innovation, design thinking, and systems thinking for years 7-10 students responsive to the needs of diverse learners and cultures. Introductions to State and School resources including FUSE for guiding safe, sustainable, inclusive, remote online learning, and ethical practices are integrated across this course.

Grade Scheme: Graded (HD, D, C, P, MF, F, XF)

Work Experience:

No work experience: Student is not undertaking work experience in industry.

Placement Component: No

Supplementary Assessment: Yes

Where supplementary assessment is available a student must have failed overall in the course but gained a final mark of 45 per cent or above and submitted all major assessment tasks.

Program Level:

Level of course in Program	AQF Level of Program					
	5	**6**	**7**	**8**	**9**	**10**
Introductory						

Level of course in Program	AQF Level of Program					
	5	**6**	**7**	**8**	**9**	**10**
Intermediate			✔			
Advanced						

Learning Outcomes:

Knowledge:

K1.   Understand the Australian and Victorian Technologies Curriculum and their features relative to other curriculum areas

K2.   Explore classroom and laboratory learning management in project-based units of work 7 - 10

K3.   Examine strategies that foster creativity, systems thinking and designing thinking in Technologies Education 7-10

K4.   Examine and critique past, present, and emerging concepts in Technologies Education

Skills:

S1.   Plan and implement programs, units of work, and lessons in Technologies Education

S2.   Apply effective and safe Technologies Classroom and lab management strategies

Application of knowledge and skills:

A1.   Design learning and associated assessment for inclusive and culturally informed Technologies education

A2.   Develop and apply innovative pedagogies and online resources such as FUSE for in-school, remote, and blended or flexible learning delivery

Course Content:

Topics may include:

- Introduction to the rationale and general overview of the 7-10 Victorian Technologies Curriculum
- Contemporary educational ideas in Technologies education and learning development
- Structure, scope and sequence of Design and Technologies 7-10
- Structure, scope and sequence of Digital Technologies 7-10
- Cross-curriculum elements including sustainability, collaborative projects, critical thinking and fostering creativity and innovation attributes
- Safety, class and lab management, and teaching techniques for effective pedagogy in Technologies education 7-10
- Foundations of technological comprehension, optimising project challenge complexity, and associated formative and summative assessment strategies
- The future of Technologies education and the teacher

FEDTASKS

Federation University Federation recognises that students require key transferable employability skills to prepare them for their future workplace and society. FEDTASKS (**T**ransferable **A**ttributes **S**kills and **K**nowledge) provide a targeted focus on five key transferable Attributes, Skills, and Knowledge that are be embedded within curriculum, developed gradually towards successful measures and interlinked with cross-discipline and Co-operative Learning opportunities. *One or more FEDTASK, transferable Attributes, Skills or Knowledge must be evident in the specified learning outcomes and assessment for each FedUni course, and all must be directly assessed in each program.*

FEDTASK attribute and descriptor		Development and acquisition of FEDTASKS in the course	
		Learning Outcomes (KSA)	Assessment task (AT#)
FEDTASK 1 Interpersonal	Students will demonstrate the ability to effectively communicate, interact and work with others both individually and in groups. Students will be required to display skills in-person and/or online in: • Using effective verbal and non-verbal communication • Listening for meaning and influencing via active listening • Showing empathy for others • Negotiating and demonstrating conflict resolution skills • Working respectfully in cross-cultural and diverse teams.	K2. S1. A1. A2	AT1. AT2. AT3.
FEDTASK 2 Leadership	Students will demonstrate the ability to apply professional skills and behaviours in leading others. Students will be required to display skills in: • Creating a collegial environment • Showing self -awareness and the ability to self-reflect • Inspiring and convincing others • Making informed decisions • Displaying initiative	S1. S2. A1. A2.	AT1.
FEDTASK 3 Critical Thinking and Creativity	Students will demonstrate an ability to work in complexity and ambiguity using the imagination to create new ideas. Students will be required to display skills in: • Reflecting critically • Evaluating ideas, concepts and information • Considering alternative perspectives to refine ideas • Challenging conventional thinking to clarify concepts • Forming creative solutions in problem solving	K1. K2. K3. K4. A1. A2.	AT1. AT2. AT3.
FEDTASK 4 Digital Literacy	Students will demonstrate the ability to work fluently across a range of tools, platforms and applications to achieve a range of tasks. Students will be required to display skills in: • Finding, evaluating, managing, curating, organising and sharing digital information • Collating, managing, accessing and using digital data securely • Receiving and responding to messages in a range of digital media • Contributing actively to digital teams and working groups • Participating in and benefiting from digital learning opportunities	K1. K3. K4. S1. A1.	AT2. AT3.
FEDTASK 5 Sustainable and Ethical Mindset	Students will demonstrate the ability to consider and assess the consequences and impact of ideas and actions in enacting ethical and sustainable decisions. Students will be required to display skills in: • Making informed judgments that consider the impact of devising solutions in global economic environmental and societal contexts • Committing to social responsibility as a professional and a citizen • Evaluating ethical, socially responsible and/or sustainable challenges and generating and articulating responses • Embracing lifelong, life-wide and life-deep learning to be open to diverse others • Implementing required actions to foster sustainability in their professional and personal life.	K1. K2. K3. K4. S1. S2. A1.	AT1. AT2. AT3.

Learning Task and Assessment:

Learning Outcomes Assessed	Assessment Tasks	Assessment Type	Weighting
K1, K2, K3, S1, A1 APST: 2.1, 2.2, 2.6, 3.2, 3.3	Drawing upon contemporary research and ideas, develop a unit of learning for the Design and Technologies or Digital Technologies curriculum 7-8 or 9-10	Rationale and Unit of Work	30%-50%
K1, K3, K4, S2, A1, A2. APST 2.1	Critical essay defending the foundations of Technological Comprehension	Critical essay	30%-50%
A1, S1, K2. APST: 2.3, 5.1	Critically analyse a project-based learning assessment structure or task	Assessment analysis	20%-30%

Adopted Reference Style:

APA

Refer to the [library website](link) for more information

Fed Cite - [referencing tool](link)