

Information Technology - Assessment Plan

Learning Outcomes	Introduce	Practice	Demonstrate	Evidence	From Course	Semester	Faculty
1.1 1: Apply general knowledge to IT issues: 1: Use mathematics	165, 151, MATH 115	MATH 241	231	Midterm	231	F2018,S2021	Henriquez
1.2 1: Apply general knowledge to IT issues: 2: Modeling for analysis	173, 175	231	437	Paper	437	F2018,S2021	Wittenmyer
1.3 1: Apply general knowledge to IT issues: 3: System design	165,173	301	477	Semester Project	477	F2018,S2021	Wuerzburger
2.1 2: Analyze and solve problems: 1: Problem definition	165,172,	176	301	Paper	176	F2018,S2021	Prichett
2.2 2: Analyze and solve problems: 2: Problem solution development	165,172	CS151,275	437	Paper	437	F2018,S2021	Wittenmyer
2.3 2: Analyze and solve problems: 3: Apply solutions and monitor progress	165,172,CS151	176/275	477	Final Project	477	F2018,S2021	Wuerzburger
3.1 3: Design and implement computer based solutions: 1: Computer based system design	CS151, 172, MATH 112	272	437	Project Documentation	437	S2019,F2021	Wittenmyer
3.2 3: Design and implement computer based solutions: 2: Apply designs and test	165, 172, 231	272,275	301,471	Database Design Project	471	S2019,F2021	Wuerzburger
3.3 3: Design and implement computer based solutions: 3: Install systems and monitor performance	173,176	373,378	477	Report/Project	477	S2019,F2021	Wuerzburger
4.1 4: Function effectively in the team environment: 1: Effective Team Member	176, 165	275	437	Survey Results	437	S2019,F2021	Wittenmyer
4.2 4: Function effectively in the team environment: 2: Understands the purpose of teams	165,176	301	437	Exam	437	S2019,F2021	Wittenmyer
4.3 4: Function effectively in the team environment: 3: Works and communicates well in the team setting	165,176	301	437	Presentation	437	S2019,F2021	Wittenmyer
5.1 5: Understand professional and ethical responsibilities: 1: Demonstrate professionalism	130	176	437	Final Project	437	F2019,S2022	Wittenmyer
5.2 5: Understand professional and ethical responsibilities: 2: Understands and exhibits ethics	173	378	437	Survey Results	437	F2019,S2022	Wittenmyer
5.3 5: Understand professional and ethical responsibilities: 3: Understands the role of IT Profession	272	378,471	477	Final Project	477	F2019,S2022	Wuerzburger
6.1 6: Effective Communication: 1: Exhibits good verbal communications	130	172,176	437	Documentation Assignment	437	F2019,S2022	Wittenmyer
6.2 6: Effective Communication:: 2: Possesses good written skills	130	176,301,375	473	Documentation	473	F2019,S2022	Wittenmyer
6.3 6: Effective Communication: 3: Understands the need for formality and respect	130	301	473	Quiz	473	F2019,S2022	Wittenmyer
7.1 7: Respect Diversity: 1: Understand IT Marketplace	172	272	272	Assignment	272	S2020, F2022	Wuerzburger
7.2 7: Respect Diversity: 2: Understands social responsibility	173	374	477	Final Project Documentation	477	S2020, F2022	Wuerzburger
7.3 7: Respect Diversity: 3: Understands the responsibility of safe design practices	165	374	477	Final Documentation	477	S2020, F2022	Wuerzburger
8.1 8: Professional Development: 1: Demonstrates a desire to learn	172	272,373,374	437	Final Project	437	S2020, F2022	Wittenmyer

Assessment Plan (cont.)

Learning Outcomes	Introduce	Practice	Demonstrate	Evidence	From Course	Semester	Faculty
9.1 9: Mastery of IT Tools: 1: Demonstrates IT technical competence	172/165	272	272	Final Examination	272	S2020, F2022	Wuerzburger
9.2 9: Mastery of IT Tools: 2: Understand and support user needs	176	272	275	Presentation	275	S2020, F2022	Wittenmyer
9.3 9: Mastery of IT Tools: 3: Transfer technologies and solutions to the user environment	172	272,373	477	Demonstration	477	F2020,S2023	Wuerzburger
9.4 9: Mastery of IT Tools: 4: Utilize and practice standards	165	272,373,374	477	Paper	477	F2020,S2023	Wuerzburger
9.5 9: Mastery of IT Tools: 5: Understand project planning tools	176	301	437	Documentation	437	F2020,S2023	Wittenmyer
9.6 9: Mastery of IT Tools: 6: Understand fundamental technologies	172/165	272,301	373	Quiz	373	F2020,S2023	Wuerzburger
9.7 9: Mastery of IT Tools: 7: Understand information security	173	272,373	374	Final Examination	374	F2020,S2023	Wuerzburger
9: Mastery of IT Tools: 8: Understand system administration and maintenance 9.8	173	272,373,378	477	Demonstration	477	F2020,S2023	Wuerzburger
9.9 9: Mastery of IT Tools: 9: Understand system integration and architecture	275	373,378,471	378	Report/Test	378	F2020,S2023	Wuerzburger

Assessment Rollout

Learning Outcomes		F 2019	S 2020	F 2020	S 2021	F 2021	S 2022	F 2022	S 2023	F 2023	S 2024	F 2024	S 2025	F 2025	S 2026	F 2026	S 2027	F 2027	S 2028
1.1	1: Apply general knowledge to IT issues: 1: Use mathematics	*				*					*						*		
1.2	1: Apply general knowledge to IT issues: 2: Modeling for analysis	*				*					*						*		
1.3	1: Apply general knowledge to IT issues: 3: System design	*				*					*						*		
2.1	2: Analyze and solve problems: 1: Problem definition	*				*					*						*		
2.2	2: Analyze and solve problems: 2: Problem solution development	*				*					*						*		
2.3	2: Analyze and solve problems: 3: Apply solutions and monitor progress	*				*					*						*		
3.1	3: Design and implement computer based solutions: 1: Computer based system design		*					*					*						*
3.2	3: Design and implement computer based solutions: 2: Apply designs and test		*					*					*						*
3.3	3: Design and implement computer based solutions: 3: Install systems and monitor performance		*					*					*						*
4.1	4: Function effectively in the team environment: 1: Effective Team Member		*					*					*						*
4.2	4: Function effectively in the team environment: 2: Understands the purpose of teams		*					*					*						*
4.3	4: Function effectively in the team environment: 3: Works and communicates well in the team setting		*					*					*						*
5.1	5: Understand professional and ethical responsibilities: 1: Demonstrate professionalism			*					*					*					*
5.2	5: Understand professional and ethical responsibilities: 2: Understands and exhibits ethics			*					*					*					*
5.3	5: Understand professional and ethical responsibilities: 3: Understands the role of IT Profession			*					*					*					*
6.1	5: Effective Communication: 1: Exhibits good verbal communications			*					*					*					*
6.2	5: Effective Communication:: 2: Possesses good written skills			*					*					*					*
6.3	5: Effective Communication: 3: Understands the need for formality and respect			*					*					*					*
7.1	7: Respect Diversity: 1: Understand IT Marketplace				*					*					*				
7.2	7: Respect Diversity: 2: Understands social responsibility				*					*					*				

Learning Outcomes		F 2019	S 2020	F 2020	S 2021	F 2021	S 2022	F 2022	S 2023	F 2023	S 2024	F 2024	S 2025	F 2025	S 2026	F 2026	S 2027	F 2027	S 2028
7.3	7: Respect Diversity: 3: Understands the responsibility of safe design practices			*						*					*				
8.1	8: Professional Development: 1: Demonstrates a desire to learn			*						*					*				
9.1	9: Mastery of IT Tools: 1: Demonstrates IT technical competence			*						*					*				
9.2	9: Mastery of IT Tools: 2: Understand and support user needs			*						*					*				
9.3	9: Mastery of IT Tools: 3: Transfer technologies and solutions to the user environment					*					*					*			
9.4	9: Mastery of IT Tools: 4: Utilize and practice standards					*					*					*			
9.5	9: Mastery of IT Tools: 5: Understand project planning tools					*					*					*			
9.6	9: Mastery of IT Tools: 6: Understand fundamental technologies					*					*					*			
9.7	9: Mastery of IT Tools: 7: Understand information security					*					*					*			
9.8	9: Mastery of IT Tools: 8: Understand system administration and maintenance					*					*					*			
9.9	9: Mastery of IT Tools: 9: Understand system integration and architecture					*					*					*			

Assessment Rollout (cont)