

IWU Syllabus

TECH-503: Instructional Design Theory and Practice

Winter/Spring : 1/2/24-2/26/24

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Course Description

The course introduces instructional design principles and practices to the development of learning opportunities in face to face, online, and blended modalities. Particular attention will be focused on the process of aligning learning outcomes with instructional strategies, assessments, and effective use of technology-based learning activities.

Credit Hours: 3

Prerequisite Courses: None

Prerequisite Skills and Knowledge: NA

Course Outcomes

Upon completion of this course, you should be able to:

1. Contrast two research-based models of instructional design.
2. Describe instructional theories and models including Bloom's Model of Mastery Learning (Anderson & Krathwohl, 2002), Gagne's theory on Conditions of Learning and Keller's ARCS Model of Motivation.
3. List three examples of learning alignment from outcome to assessment to technology activity.
4. Create a learning experience that exemplifies the application of theory to the implementation of technology.
5. Evaluate a learning technology for use in a particular context.
6. Analyze current trends in the use of instructional technology in an educational, medical, community, or corporate context.

Course Textbook

Means, B., Bakia, M., & Murphy, R. (2014). *Learning online: What research tells us about whether, when and how*. New York, NY: Routledge.

Course Technology

- [Off-Campus Library Services \(OCLS\)](#)
- Computer
 - o Internet access
 - o Audio/speakers

Grading Scale

Grade	Quality Points Per Credit	Percentage	Score
A	4.0	95%-100%	950-1000
A-	3.7	92%-94.9%	920-949
B+	3.3	89%-91.9%	890-919
B	3.0	85%-8.9%	850-889
B-	2.7	82%-84.9%	820-849
C+	2.3	79%-81.9%	790-819
C	2.0	75%-78.9%	750-789
C-	1.7	72%-74.9%	720-749
D+	1.3	69%-71.9%	690-719
D	1.0	65%-68.9%	650-689
F	0.0	0%-64.9%	0-649

Grading Policies

Your grading policy for your course is dependent on your school and program. Your grading policies can be found in the IWU Catalog.

Letter Grade Equivalencies

Grade	Description of Work
A	Clearly stands out as excellent performance. Has unusually sharp insights into material and initiates thoughtful questions. Sees many sides of an issue. Articulates well and writes logically and clearly. Integrates ideas previously learned from this and other disciplines. Anticipates next steps in progression of ideas. Example "A" work should be of such nature that it could be put on reserve for all cohort members to review and emulate. The "A" cohort member is, in fact, an example for others to follow.
B	Demonstrates a solid comprehension of the subject matter and always accomplishes all course requirements. Serves as an active participant and listener. Communicates orally and in writing at an acceptable level for the degree program. Work shows intuition and creativity. Example "B" work indicates good quality of performance and is given in recognition for solid work; a "B" should be considered a good grade and awarded to those who submit assignments of quality less than the exemplary work described above.
C	Quality and quantity of work in and out of class are average. Has marginal comprehension, communication skills, or initiative. Requirements of the assignments are addressed at least minimally.
D	Quality and quantity of work are below average. Has minimal comprehension, communication skills, or initiative. Requirements of the assignments are addressed at below-acceptable levels.
F	Quality and quantity of work are unacceptable and do not qualify the student to progress to a more advanced level of work.

Pacing Guide

Course Summary

Module	Devotional*	Discussion*	Quiz*	Dropbox*	Group*	Journal*	Total Points
Module One	1/15	2/60	1/20	1/50	1/50	-	195
Module Two	1/15	2/60	1/20	1/100	-	-	195
Module Three	1/15	3/90	-	1/75	-	-	180
Module Four	1/15	1/30	1/20	1/100	-	-	165
Module Five	1/15	2/60	-	1/170	-	1/20	265
Course Totals	5/75	10/300	3/60	5/495	1/50	1/20	1000

* Number of Activities/Sum Point Totals

Module Assignments

Module One Outline

Title	Type	Due Dates	Time	Points
1.1 Holiness	Devotional	Initial post due by the end of the third day of the module; one response to a classmate due by the end of the fifth day of the module.	2 hours	15

1.2 What Is Instructional Design Theory?	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
1.3 Exploring Instructional Design Models	Group	Group members 1 and 2 should complete their responses by the end of the fourth day of the module. Group members 3+ should complete their responses by the end of the sixth day of the module.	5 hours	50
1.4 Model Application	Discussion	Initial post due by the end of the last day of the module; two responses to classmates due by the end of the second day of Module Two .	3 hours	30
1.5 Contrasting Models	Dropbox	Due by the end of the module.	5 hours	50
1.6 Module One Quiz	Quiz	Due by the end of the module.	2 hours	20
Totals			20 hours*	195

*These times are only estimates. Actual assignment completion times will vary.

Module Two Outline

Title	Type	Due Dates	Time	Points
2.1 Holiness	Devotional	Initial post due by the end of the third day of the module; one response to a	2 hours	15

		classmate due by the end of the fifth day of the module.		
2.2 Instructional Technology: Strategies and Activities	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
2.3 Digital Thinking in Instructional Design	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
2.4 Applied Example of Alignment	Dropbox	Due by the end of the module.	8 hours	100
2.5 Module Two Quiz	Quiz	Due by the end of the module.	2 hour	20
Totals			18 hours*	195

*These times are only estimates. Actual assignment completion times will vary.

Module Three Outline

Title	Type	Due Dates	Time	Points
3.1 Filled with Love	Devotional	Initial post due by the end of the third day of the module; one response to a classmate due by the end of the fifth day of the module.	2 hours	15

3.2 Learner-Centered Learning	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
3.3 Student Learning Styles	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
3.4 Learner-Centered Quiz	Discussion	Initial post (quiz creation) due by the third day of the module; partner's quiz completed by the end of the last day of the module.	9 hours	105
	Dropbox	Grade partner's quiz within 48 hours of his/her submission.		
Totals			17 hours *	180

*These times are only estimates. Actual assignment completion times will vary.

Module Four Outline

Title	Type	Due Dates	Time	Points
4.1 The Love of God	Devotional	Initial post due by the end of the third day of the module; one response to a classmate due by the end of the fifth day of the module.	2 hours	15
4.2 Technology Integration Matrix	Dropbox	Due by the end of the third day of the module.	8 hours	100

4.3 Technology Integration Research/Advocacy	Discussion	Initial post due by the end of the fourth day of the module; two responses to classmates due by the end of the sixth day of the module.	4 hours	30
4.4 Module Four Quiz	Quiz	Due by the end of the module.	1 hour	20
Totals			15 hours*	165

*These times are only estimates. Actual assignment completion times will vary.

Module Five Outline

Title	Type	Due Dates	Time	Points
5.1 Courage and Strength	Devotional	Initial post due by the end of the third day of the module; one response to a classmate due by the end of the fifth day of the module.	2 hours	15
5.2 Technology and Learning	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
5.3 Analyzing Educational Technology	Discussion	Initial post due by the end of the third day of the module; two responses to classmates due by the end of the sixth day of the module.	3 hours	30
5.4 Universal	Journal	Due by the third day of the module.	2 hours	20

Design for Learning				
5.5 Final Project	Dropbox	Due by the end of the module.	10 hours	150
5.6 End-of-Course Survey	Dropbox	Due by the end of the module.	30 minutes	10 Extra Credit
Totals			20:30 hours*	245

*These times are only estimates. Actual assignment completion times will vary.

Course Development Resources

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Download and review the [TECH-503CreditsPage.pdf](#)