

# Spring 2026 ITLS-4160-IO1 Syllabus

ILTS 4160

## Syllabus

### Course Information

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#### General Info

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**Name:** Measuring Learning & Performance

**Course Number:** 4160

**CRN:** Section 1: 13317 | Section2: 13784

**Meeting days and time:** Online, asynchronous

**Semester and year:** Spring 2026

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#### Course Description

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Students learn basic principles of effective measurement techniques, their development, and underlying theories. Topics include surveys, rubrics and tests for both formative and summative assessment. Classical test theory and item response theory are introduced, with an emphasis on practical application.

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#### Instructor

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Go to Instructor's Canvas Page --> [click here](https://usu.instructure.com/courses/797388/pages/instructors-page) (https://usu.instructure.com/courses/797388/pages/instructors-page)

### Requirements

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#### Prerequisites

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Basic level of statistical knowledge

Basic level of statistical software experiences (e.g., R, Jamovi, JASP or SPSS)

Learning theory

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#### Fees

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Online Delivery Fee \$15

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#### Required Materials

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Practical Psychometrics: A guide for Test Users by

Benjamin J. Lovett

ISBN/UPC: 9781462552122

# Learning Objectives

## Course Learning Objectives (CLO)

1. Identify, accurately characterize, and evaluate assessment and evaluation strategies.
2. Weigh the strengths and weaknesses of existing strategies for assessing learning and performance.
3. Develop an evaluation proposal intended to assess learning outcomes within a hypothetical organization.

Week	Module Title	Learning Question
1	Foundations of Learning, Performance, & Measurement	<i>Why Measure? Understanding Learning, Performance &amp; Design</i>
2	What Makes a Good Measure?	<i>What Makes a Good Assessment? Fairness, Clarity &amp; Purpose</i>
3	Assessment Models & Frameworks	<i>Models That Guide Us: Frameworks for Assessment Design</i>
4	Data Basics & Descriptive Statistics	<i>Making Sense of Data: Basics of Descriptive Statistics</i>
5	Designing Assessments	<i>Designing Assessments for Real Projects</i>
6	Designing Assessments (continued)	Apply design principles to create meaningful measures.
7	Reliability: Consistency in Measurement	<i>How Consistent Are Our Results? (Reliability Basics)</i>
8	Validity: Interpreting Scores Correctly	<i>Are We Measuring What Matters? (Validity Basics)</i>
9	Fairness and Test Accessibility	<i>Making Assessments Fair &amp; Accessible for Everyone</i>

10	Item Analysis (1)	<i>Are Our Questions Working? (Intro to Item Analysis)</i>
11	Item analysis (2)	<i>Advanced Tools for Better Questions (Intro to IRT)</i>
12	Linking Measurement to Performance Improvement	<i>Using Measurement to Improve Learning Experiences</i>
13	Ethical & Professional Standards in Testing	<i>Ethics in Assessment: Doing It Right &amp; Fair</i>
14	Emerging Trends in Measurement & Analytics	<i>What's Next? Trends in AI, Analytics &amp; Future of Assessment</i>

## Course Grading Policy

### Grading Scale

Grade	Range
A	94-100%
A-	90-93%
B+	87-89%
B	83-86%
B-	80-82%
C+	77-79%
C	73-76%
C-	70-72%
D+	67-69%
D	63-66%
D-	60-62%
F	59% or below

### Late Work Policy

Late work will be penalized 10% for each week it is late.

Please reach out to the course instructor if you have extenuating circumstances or concerns that impact your work being completed on time.

i.e., An Assignment is due on **Monday** of **Week #5**:

- If you submit it anytime from Tuesday - Sunday of Week #5, that will be within the first "late week" and will incur a 10% penalty
- If you submit it anytime Monday-Sunday of Week #6, you are now in the second "late week" and will incur a 20% penalty

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# AI Policy

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In this course, students are permitted to use AI tools only for specific assignments and according to specific guidelines. These guidelines are detailed in the assignment instructions and describe which tools students may use and for what purposes. For all other assignments and tasks, students are expected to do their own work without the assistance of AI to generate or modify content or responses. Students will be responsible for the content and quality of their assignment submissions, which are expected to meet the assignment criteria and demonstrate students' own ideas, interpretation, and effort. In cases where AI use is not expressly allowed, submissions may be reviewed using AI detection tools, such as Copyleaks. If there is strong suspicion or evidence of unauthorized AI use in a submission, it may be reported as an academic integrity violation in accordance with [Article 6 of the USU Student Code \(https://www.usu.edu/student-conduct/student-code/article6\)](https://www.usu.edu/student-conduct/student-code/article6), which outlines due process for instructors and students, including options for appeal. Possible sanctions may include a reduced grade and/or requirement to resubmit the assignment.

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## Major Assignments

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### Final Project

This will be a scaffolded project that builds from week 7/8 to the end of the semester that allows students to demonstrate their understanding of measurement.

### Weekly Assignments

Each week there will be various assignment(s) for students to demonstrate and practice their learning

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## Institutional Information

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### Course Expectations

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#### Discussions Expectations

#### Computer and Digital Literacy Skills Expectations

Students are expected to have the following computer skills:

- basic typing proficiency and keyboard functions
- using email, web browsers, and basic Canvas functions

Students are also expected to have the following digital literacy skills:

- effectively searching for information on the Internet
- practice principles of Internet safety, privacy, and security

## Online Course Requirements

### Technology Requirements

### Interaction Requirements

## Learner Support

If you require support in your learning for any reason, use these services and resources to help you. The instructor is also available to assist you.

### Course Resources

### Important Dates To Remember

### Using Canvas

- Search the Canvas Guides (<https://community.canvaslms.com/community/answers/guides/>)- Find answers to common questions
- Technical support from Canvas can be reached at: [support@instructure.com](mailto:support@instructure.com)

### Help Desk

### University Support Services



You are expected to comply with all university policies and course policies.

## Course Policies

**Disruptive behavior policy:** If any student becomes disruptive to the learning process of others, or disruptive to the instructor, they will be referred to the university and may receive punitive consequences.

## Accessibility

## Privacy

## Privacy Policies

## Institutional Policies and Links

## Sexual Harassment Policy Statement:

## Disability Statement:

## Title IX Statement: