

## **Syllabus - Foundation Module:**

### **Instructional Design for Online Learning - Techniques and Pedagogy**

#### **Learning Outcomes:**

By the end of this module, you will be able to:

- recognize different approaches to instructional design strategy
- recognize several leading learning theories
- relate instructional strategies to the principles of Universal Design for Learning
- apply Bloom's Revised Taxonomy to writing learning outcomes
- critique learning assessments for their appropriateness to learning outcomes
- produce a first draft version of an instructional plan for teaching an online class/session

As part of that first draft, you will be able to do the following for your own specific project:

- follow a formal instructional design strategy
- perform an instructional needs assessment
- define instructional goals
- identify learner characteristics and entry behaviors
- outline instructional analysis
- develop learning outcomes
- choose assessments that are appropriate for your learning outcomes
- outline instructional strategies
- indicate appropriate instructional tools and materials
- outline formative and summative evaluations

## Agenda:

### Week 1 - The Instructional Design Process

- Advance Organizer for Week 1 (video)
- The Importance of Online Teaching and Learning for Libraries (video)
- Approaches to Instructional Design (reading, with **challenge question**)
- Selected Vocabulary (list, with **challenge question**)
- Learning Perspectives (reading, with **challenge question**)
- Learning Styles (reading)
- **Reflection** (activity)
- Universal Design for Learning (video, with **challenge question**)
- Summing Up Week 1 (video)
- Additional Resources (list)
- **Conversation on the Instructional Design Process** (forum)

### Week 2 - Steps 1-3 of the 7 Step Process

- Advance Organizer for Week Two (video)
- Overview of the 7 Step Process (video)
- Visualization of the 7 Step Process (graphic)
- Step 1 - Needs Assessment and Instructional Goals (video)
- Key Points for Step 1 (text, with **challenge question**)
- Step 2 - Instructional Analysis (video)
- Key Points for Step 2 (text with **challenge question**)
- Step 3 - Learner Characteristics and Entry Behaviors (video)
- Key Points for Step 3 (text with **challenge question**)
- Summing Up Week Two (video)
- Additional Resources (list)
- **Assignment 1**: Topic for your project (database entry)
- **Assignment 2**: Steps 1-3 of the 7 step process (forum submission)

## Week 3 - Step 4 of the 7 Step Process

- Advance Organizer for Week 3 (video)
- Step 4 - Learning Outcomes Part 1 (video, with **challenge question**)
- Selected Vocabulary (list)
- **Write a Learning Outcome** (activity with debriefing)
- Step 4 - Learning Outcomes Part 2 (video)
- **An Interactive Resource** (activity link)
- **Reflection** (activity)
- Summing Up Week 3 (video)
- Additional Resources (list)
- **Assignment 3**: Step 4 of the 7 step process (forum submission)

## Week 4 - Assessment

- Advance Organizer for Week Four (video)
- Learning Assessment (video)
- Selected Vocabulary (table, with **challenge question**)
- Digging Deeper into Effective Feedback (text, graphic)
- **Reflection** (activity)
- Matching Assessments to Learning Outcomes (text)
- Creating Effective Rubrics (video, with **challenge questions**)
- Summing Up Week Four (video)
- Additional Resources (list)

## Week 5 - Steps 5-6 of the 7-Step Process

- Advance Organizer for Week 5 (video)
- Step 5 (video)
- Key points of Step 5 (text)

- Step 6 (video)
- Key points of Step 6 (text)
- **Reflection** (activity)
- Summing Up Week 5 (video)
- Additional Resources (list)
- **Assignment 4**: Steps 5-6 of the 7 step process (forum submission)

## Week 6 - Step 7 of the 7-Step Process

- Advance Organizer for Week 6 (video)
- Step 7 - (video)
- Key Points for Step 7 (text)
- Summing Up Week 6 (video)
- Additional Resources (list)
- **Assignment 5**: Step 7 of the 7 step process (forum submission)
- **Knowledge Check** (quiz)

## Required Assignments:

- Required activities for this module will have a check box to the right when you view them on the main course page. The system will automatically check them off as you complete them.
- Go through the **lesson for each week**, including challenge and reflection questions.
  - **Challenge questions** in each lesson are checked automatically, and each correct answer earns 1 point. In some cases, if you are incorrect, you will be prompted to review the relevant information and try the question again.
  - **Reflection questions** are an opportunity for you to apply the content to your own situation in a short statement. You will enter these reflections in a **workbook** for the module, and you may want to share some parts of your reflection in the discussion forums.

- Each lesson will be marked as completed if you attempt all the questions, regardless of your “score.”
- **Assignment 1** - Enter your project topic in our database
  - This will be marked as complete when you enter your topic using the form fields provided in the database. You will be able to return later and edit this if you change your mind.
- **Assignments 2-5** - Fill in the provided instructional design plan template with plans for your project
  - Each of these assignments will have an associated forum discussion where you can attach your work in progress, discuss your work, ask questions of your peers, and respond to your peers.
  - Each forum discussion will be marked as completed once you post about your own project and reply to someone else’s post.
- **Knowledge Check** - take a brief final quiz to double check your mastery of this module’s content
  - This will be marked as complete when you receive a passing grade of 70% or better.
  - You can retake this quiz as many times as you like to get a passing grade.

Once all of these required activities have been automatically marked as completed, you will be eligible to receive a certificate of completion for the module.

## About this course:

- This course takes place within the **Moodle** Learning Management System (LMS) hosted by WebJunction.org. If you need help navigating in Moodle, make sure you have gone through the Orientation Module (the first in the D4L series).
- In Moodle, there is a **workbook** for this module that you can download. You can save it to your device to edit it with a word processor, or print it out to

write in it by hand. This gives you one document in which to store all your work throughout this module, to save for your portfolio at the end.

- There are no official **due dates**, so you can go through the content at your own pace. However, we have found that many students find the weekly structure helpful to keep them on track.
- While most modules of the Design for Learning program are designed to take place over 4 weeks, this module has been re-designed to include more content and has been expanded to **6 weeks**.
- Each week, most content is shared in the form of a **lesson**. This format allows you to easily go through all content in a linear fashion. However, you can return later to review any content, in any order, using the menu within each lesson (on the side or below, depending on your device).
- In the Design for Learning program we strive to actively support a wide range of learning styles and abilities. As such, we have applied the principles of Universal Design for Learning to this course. If you would like to suggest additional alternative formats that you think we should provide, especially related to needs for specific accommodations, please contact us at [d4l@scrlc.org](mailto:d4l@scrlc.org).

## Course Developer:

Dr. Marilyn Arnone is a Research Associate Professor and Associate Professor of Practice at Syracuse University in the School of Information Studies and Co-Director of the Center for Digital Literacy. Find out more about her work at:

<http://my.ischool.syr.edu/People/mparnone>.

This project was made possible in part by the [Institute of Museum and Library Services](#), Laura Bush 21st Century Librarian Grant Project #RE-06-14-0014-14.



School of Information Studies  
SYRACUSE UNIVERSITY



INSTITUTE of  
Museum and Library  
SERVICES