**Introduction to R Shiny**

**Course Description:** This is a 1-credit reading and conference P/N class introducing R’s Shiny for building interactive web applications. By the end of the class students will be able to build a basic interactive web application and know of resources to use if they want to gain more advanced Shiny skills.

**Final Project:** Each student will create and present a Shiny app on the last day of class.

**Schedule:**

**Week Class Topic**

1 **1** Introduction to Shiny web apps

2 **2** Reactive inputs

3 **3** The render\*() functions and reactive outputs

Reading in data to use in a Shiny app

4 No class

5 No class

6 **4** How/where to deploy an app

Layouts - sidebar layout and positioning elements in a grid

HTML tag functions to control user interface

7 **5** The reactive() function

8 **6** Adding interactive elements to plots

9 **7** Action buttons to delay reactions

More layouts

10 **8** Student’s present final project apps

**Statement Regarding Students with Disabilities**

Accommodations for students with disabilities are determined and approved by Disability Access Services (DAS). If you, as a student, believe you are eligible for accommodations but have not obtained approval please contact DAS immediately at 541-737-4098 or at <http://ds.oregonstate.edu>. DAS notifies students and faculty members of approved academic accommodations and coordinates implementation of those accommodations. While not required, students and faculty members are encouraged to discuss details of the implementation of individual accommodations.

**Link to** [**Statement of Expectations for Student Conduct**](http://oregonstate.edu/studentconduct/offenses-0), i.e., cheating policies:

**http://studentlife.oregonstate.edu/studentconduct/offenses-0**