



# EDS 296-1W: Intro to Shiny - Building reactive apps & dashboards

## (2 units, Winter 2025)

Course Catalog: <https://bren.ucsb.edu/courses/eds-296-1w>

**Prerequisites:** *None required for MEDS.* Non-MEDS students must be able to demonstrate proficiency in using the R programming language and working in the RStudio integrated development environment (IDE). Additionally, students should have familiarity with using git and GitHub for version control. Non-MEDS students may be asked to provide a link to a GitHub repository containing code written in R to demonstrate these prerequisite skills. Certain courses (e.g. ESM 244, ESM 232) may fill these prerequisite requirements -- please contact the course instructor to discuss your eligibility.

## Meeting Time & Location

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**Course Dates:** Friday 2/14/2025 & Friday 2/21/2025

**Location:** NCEAS 1st floor classroom (1021 Anacapa St.)

EDS 296-1W is an intensive 2-day long 2-unit course. **Students should plan to attend both scheduled sessions in full to receive credit for this course.**

## Instructor Information

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	<b>Sam Shanny-Csik (Instructor)</b>
Email	<a href="mailto:scsik@ucsb.edu">scsik@ucsb.edu</a>
The best way to contact me is	email
Learn more about me	<a href="https://samanthacsik.github.io">samanthacsik.github.io</a>

## Course Details

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### Course Website:

<https://ucsb-meds.github.io/EDS-296-Intro-to-Shiny/>

***All course content / information will be posted to this course website. Be sure to bookmark it somewhere you can easily find it!***

## Course Description & Learning Objectives:

The [{shiny} package](#) provides a framework that allows R users to build interactive web applications and dashboards, and has become a popular tool for sharing data analyses and data-derived outputs with broad audiences. In this two-part short course, students will learn the fundamentals of reactivity, how to customize an application user interface (UI), best practices and workflows for developing shiny apps, and how to deploy apps online using Posit's free hosting service, [shinyapps.io](https://shinyapps.io).

## Computing requirements:

**Reminder:** You can reference the [MEDS installation guide](#) if you need to (re)install / (re)configure any software.

- [Minimum MEDS device requirements](#)
- R version 4.4.0 (or higher)
- RStudio version 2024.04.02 (or higher)
- git (configured on your local computer) & GitHub account (connected to your local git)

## Recommended materials / resources:

There are no required textbooks or readers for this course.

## How will I be evaluated?

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EDS 296 is a Pass / Not Passed course. To earn a “Pass,” you are expected to attend both sessions in full.

*If you are feeling ill or experiencing a personal or family emergency, please contact the instructor to arrange accommodations.*

## Course Conduct

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We are committed to actively creating, modeling, and maintaining an inclusive climate and supportive learning environment for all course participants (including instructors, guests, and students). We expect everyone to treat every member of our learning community with respect. Harassment of any kind will not be tolerated. Everyone is expected to read and adhere to the [UCSB Code of Conduct](#).