



Student-Facilitated Course

# ECS 198F - iOS Dev with SwiftUI

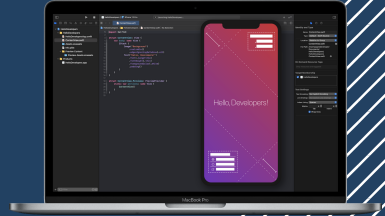
Winter 2022 - 2 Units, CRN: TBD

Lecture: TBD

Instructor: Yibo Yan

Grade: P/NP

Website: [ios-dev-ucd.netlify.app](https://ios-dev-ucd.netlify.app)



## Prerequisites

ECS 36B or ECS 32B is required. ECS 150 and ECS 140A are recommended. The course is open for petitions or instructor consent.

## Course Overview

An introduction to iOS development with SwiftUI. This course will mainly focus on SwiftUI, advanced Swift, and the latest APIs in the Swift standard library. This course will be project-based with 4 short projects and 1 demo-based final project.

## Core Topics

### SwiftUI

- Declarative UI
- Basic Built-in Controls
- Advanced Layout
- Navigation
- Advanced Animation
- View Modifier

### Swift

- Functional Programming
- Protocol-Oriented Programming
- Async in Swift
- Advanced Error Handling
- API Call

**Note: General Upper Div. Credits Only.**

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