# UA LITTLE ROCK

Department of Information Science

# ITEC 35006: Guided Apps In IT

**Section 01**: TR 12:15 PM -- 2:55 PM in EI218

Spring 2026

# Guided Apps In IT (01)

## Instructor Info

**Name:** Thomas Wallace
**Email:** tswallace@ualr.edu
**Office Location:** EIT 547
**Office Hours:** Monday/Wednesday - 9:ooam-Noon | Tuesday/Thursday - 11:00am -Noon | Friday - 9:00am -Noon To schedule an appointment please email at tswallace@ualr.edu.
**Instructor Presence:** All course content will be delivered during the scheduled classroom sessions by the Instructor, except in cases of a relevant guest speaker. Additional support is available via EIT Student Academic Services.

**Name:** Bruce Bauer
**Email:** blbauer@ualr.edu
**Office Location:** EIT 558
**Office Hours:** Monday/Wednesday - 1:00pm-3:00pm | Tuesday/Thursday - 9:00am -11:00am | Other times by appointment. To schedule an appointment, visit Bruce Bauer Appointment Calendar or please email at blbauer@ualr.edu.
**Instructor Presence:** All course content will be delivered during the scheduled classroom sessions by the Instructor, except in cases of a relevant guest speaker.

**Name:** Sarah Clements

**Email:** sjclements@ualr.edu
**Office Location:** Reynolds Building, Office 225, 2nd Floor
**Office Hours:** M&W: 9-11 AM, 12:15-1:30 PM; T&Th: 10:30 AM-12:15 PM

## Course Description

**Credit Hour(s):** 6

**Description:** There are three main components to the curriculum for ITEC 3650: technical skills, business concepts, and behavioral communication (soft skills). The technical component consists primarily of 1) information management, 2) web design/Internet applications and 3) applied JavaScript. The second component, business concepts, focuses on leadership and project management. The behavioral communication component emphasizes personal and professional growth with particular emphasis on meeting management and client relationships. Critical thinking skills, problem solving skills, and self-initiated learning are concepts that students must develop throughout all components of the IT Minor.

**Prerequisites:**  ITEC 31006 (ITEC 3610)

## Course Learning Objectives

Upon successful completion of this course, students will be able to:

- Information Management

  Students will know and understand the conceptual foundation of database management systems (DBMS), and be able to apply that foundation with cloud-based database software (MySQL). They will understand the purpose of and be able to create and customize tables, forms, queries, and reports. They will understand the various data types, the concept of referential integrity, and normalization. They will be able to look at a user's specifications to create a user friendly and workable database.

- Programming (Applied JavaScript)

Students will learn to use JavaScript libraries and leverage them to create progressively enhanced site designs. Students will also learn how to leverage JavaScript to access web-based APIs and transport data between websites and data sources.

- Web Development and Design

Students will know how to create standards-based websites. They will understand user-centered design concepts and modern web accessibility practices. Skills in layout and graphical design will be coupled with methods for creating and optimizing imagery for the Web. Students will learn to read and write semantic html5 and to properly structure documents for the web. Students will explore and learn about modern Internet technologies and web-based services that can be integrated into their sites for a rich, usable experience for the end-user. Students will demonstrate mastery of the above skills by developing a web site for a client.

- Project Management

Students will understand the importance and learn the methodology of managing projects. They will be able to work as team members in project management to: define problems; research and collect possible solutions; select the preferred solution; develop an initial plan with goals, objectives, teams, rough budgets, and schedules for approval; develop a task list and assignments for development and implementation of the project.

- Behavioral Communication (Soft Skills)

Technical skills alone are no guarantee of success. Non-technical skills are included in the IT Minor at the recommendation of the program's corporate partners. Technical skills must be integrated with excellent problem solving abilities, the ability to listen, the ability to function as a member of a team, and the ability to adapt to new technology and new languages.

Students continue to master the team and problem solving skills introduced in 3610 and develop a set of skills for effective meeting management including leading and participating in meetings; understanding company culture; designing questions to gain needed information; establishing and nurturing client

relationships; effective presentations incorporating technology; verbal and written communication; personal organization; and coaching for result.

## Course Materials

**Title: Laptop - Provided by Program with Agreement.**

**Title: All required materials will be available via individual faculty websites.**

**Title: Bluetooth or USB Mouse recommended**

## Grading Scale

Your semester grade for this course will be determined based on the following scale:

A = 90-100 (Above Mastery)

B = 80-89 (Mastery)

C = 70-79

D = 60-69F = less than 60

A = excellent work; B = above average work; C = average work; D = below average; F = failing

## Grading Criteria

**25% - Programming (15% Assignments | 10% Assessment)**

**25% - Web Design (15% Assignments | 10% Assessment)**

**25% - Team Project & Evaluation**

**25% - Soft Skills**

** Soft skills Includes participation, in class discussions, demonstration of questioning and listening skills, team participation and leadership, attendance, oral presentations, reflective writing, and other components as assigned.

# Learning Activities

Each session will contain learning activities in both technical skills and success skills. Activities will be applicable and relevant to the content themes of the course. Participation in both individual and group assignments is required to successfully complete this course.

# University Policies

## Students with Disabilities

- https://ualr.edu/policy/facstaff/course-syllabus/

If you are a student with a disability, or if you simply want to discuss resources that might help you learn more effectively, you can contact the Disability Resource Center at any time. You are welcome to drop in or call 501-916-3143 to make an appointment. Their staff will work with you to discuss accommodations and identify resources on campus or in the community that might be helpful for you. Accommodations are established through an interactive process. For more information, visit the DRC website or review the steps to request accommodations. We want you to know you are valued, welcome, and wanted at UA Little Rock.

## Non-Discrimination Policy

- https://ualr.edu/policy/home/admin/non-discrimination/

## Title IX and Harassment

- https://ualr.edu/titleix/titleix/title-ix-the-basics/

## Inclement Weather Policy

- [https://ualr.edu/policy/home/admin/weather/](https://ualr.edu/policy/home/admin/weather/)

## Academic Integrity

- [https://ualr.edu/deanofstudents/academic-integrity/](https://ualr.edu/deanofstudents/academic-integrity/)

## Disclosure of Instances of Sexual Misconduct

- [https://ualr.edu/policy/home/facstaff/title-ix/](https://ualr.edu/policy/home/facstaff/title-ix/)

## Withdrawal

- [https://ualr.edu/policy/home/student/withdrawal-from-ualr/](https://ualr.edu/policy/home/student/withdrawal-from-ualr/)

## Add/Drop

- [https://ualr.edu/records/2511-2/](https://ualr.edu/records/2511-2/)

## Incomplete

- [https://ualr.edu/records/grades/](https://ualr.edu/records/grades/)

## Grade Policies

- [https://ualr.edu/policy/home/facstaff/grades-and-grading-systems/](https://ualr.edu/policy/home/facstaff/grades-and-grading-systems/)

# Course Policies

### Attendance

Attendance is critical in mastering the course material. If you must miss class, please send an email to the program faculty before class begins explaining the reason for your absence. Participation implies making comments, observations, and contributions and asking questions in the virtual and/or physical classroom. Excessive unexcused absences will negatively affect your participation grade. Due to COVID-19 content will be delivered in a hybrid format. All sessions will be offered online, with the understanding that there will

be opportunities for face to face interaction as health and safety permits. Students who wish to complete the entire course in an online environment due to health and safety concerns will be given the option to complete the course in its entirety online with instructor approval. We will be using Blackboard Collaborate for online class meetings and individual meeting requests will be handled via Google Meet. Students are expected to attend lectures online at the regularly scheduled times and participate throughout the duration of the session. If attendance on a particular day is not possible, students should email the Instructors prior to class to make alternate plans for completion of that day's content.

**Policy for Late/Missed Work**

Students are expected to turn in all assignments on time. Failure to do so will result in reduced or no credit for the assignment. Only in the case of extenuating circumstances will an extension be granted.

Caution:

- Only assignments completed and turned in by deadlines will be considered for Above Mastery (A). Once an assignment is submitted, it is graded and returned. If an assignment needs corrections, those instructions will be given and the grade will remain pending until corrections are complete. The instructions will also include a deadline for submission.
- There will be a grade penalty for submitting assignments in stages (unless assigned that way) or submitting the same assignment multiple times. Submit only the work you want graded.
- Plan ahead for problems with emailing assignments.
- Due to the cumulative nature of the course content only students who have received a grade of B or higher will be eligible to register for ITEC 4610 the following semester.

**Academic Integrity (501.13)**

Plagiarism on any assignment will at a minimum result in 0 points for the assignment. We reserve the right to pursue further disciplinary action if appropriate (e.g. any student caught cheating on an assignment/assessment will receive an "F" for the course, and we may pursue action with the Committee on Academic Integrity). Plagiarism includes copying someone else's work and claiming it as your own, or collaborating excessively with another person or persons and claiming the work as solely your own. It is strongly recommended that students maintain a record of the preparation of their major assignments.

## Helpful University Resources

Blackboard Student Support

- https://ualr.edu/blackboard/contact/

Bookstore

- https://ualr.bncollege.com/

Care Team

- https://ualr.edu/studentsuccess/care-team/

Career Center

- https://ualr.edu/careers/

Child Care Connections

- https://ualr.edu/studentsuccess/child-care-connections/

Disabilities Resource Center

- https://ualr.edu/disability/

Communication Skill Center (CSC)

- https://ualr.edu/appliedcomm/communication-skill-center-csc/

Counseling

- https://ualr.edu/counseling/

Handshake

- https://ualr.joinhandshake.com/login

Health Services

- https://ualr.edu/health/

Information Technology Services (ITS)

- https://ualr.edu/itservices/welcome/

Mathematics Assistance Center

- https://ualr.edu/mathematics/mathematics-assistance-center/

Military Student Success Center

- https://ualr.edu/military/

Office of Student Retention Initiatives (SRI)

- https://ualr.edu/studentsuccess/academic-resources/coaching-and-student-support/

Student Support Services (SSS)

- https://ualr.edu/studentsupport/

Trojan Tutoring (i.e. introductory-level courses only) via University Learning Commons

- https://ualr.edu/studentsuccess/academic-resources/

UA Little Rock Trojan Food Pantry

- https://ualr.edu/foodpantry/

University Writing Center (UWC)

- https://ualr.edu/writingcenter/

Ottenheimer Library

- https://ualr.edu/library/

## Tentative Course Schedule

Subject to change at the discretion of instructor.