CS 240 is a course aimed to teach students how to manage program complexity and choose the right paradigms for the problem under study while building composable modules. During the term, students will learn about records, data types, higher-order functions, closures, mutable state management, and language modeling. By the end of the course, students should be able to understand the importance of using higher-order functions and avoid antipatterns. Besides the big picture ideas, practical skills such as writing and running tests, organizing programs, and using version control systems will also be taught.

In addition to the theoretical knowledge acquired during this course, CS 240 provides students with a well-rounded education that ensures they are equipped with practical skills that are highly sought after in the industry.

CS 240 is a necessary course for Computer Science undergraduates as it teaches key skills that help students become better programmers and better prepared for real-world programming challenges.

CS 240's course content is relevant and up-to-date, allowing students to stay ahead of the curve in the ever-changing technology industry.

* CS 240 provides a solid foundation for upcoming Computer Science courses, enabling students to tackle more challenging coursework successfully.
* CS 240 includes numerous lab sessions that will give students a chance to reinforce the theoretical knowledge acquired in class.
* CS 240 is designed to be challenging but rewarding, providing students with an excellent opportunity to develop practical programming skills and problem-solving abilities.
* By the end of the class, students who take CS 240 can become well-rounded programmers who can develop efficient, scalable and reliable software programs that are in high demand.
* CS 240 also emphasizes critical thinking and problem-solving, developing key skills that can be applied in any future programming endeavor.
* <http://www.cs.brown.edu/courses/cs019/2012/readme>
* [www.cs.cmu.edu/~bryant/pubdir/cmu-cs-10-140.pdf](http://www.cs.cmu.edu/~bryant/pubdir/cmu-cs-10-140.pdf)
* <http://j.mp/TWp7ip>