



SAN ANTONIO CAMPUS - MATH AND SCIENCES
Syllabus for CSCI 3365 – Software Engineering

1. Mission Statement: Wayland Baptist University exists to educate students in an academically challenging, learning-focused and distinctively Christian environment for professional success and service to God and humankind.
2. Course: **CSCI 3365 – 01, Software Engineering** **This is last year's syllabus as a representative example.**
3. Term: Summer 2017
4. Instructor: Dr. Paul Parker, Asst. Professor of Computer Science
5. Office Phone and Email Address: 210.826.7595 Ext 291, **paul.parker@wbu.edu**. **You may also contact me with Remind text messages, which go directly to my iPhone.** You may call and text me at 210-460-0499, via Google Voice; calls and texts will be forwarded from Google Voice from 9 am to 5:30 pm weekdays and 10 am to 4 pm on Saturdays, and otherwise will be silently dropped. **Again, the best ways to contact me are Remind for short messages and email for long ones, or calling me at 210-460-0499 during the day.**
6. Office Hours and Location: **Wednesdays 3:30-5:00, Thursdays noon-4:00.** Other hours available by appointment, and can usually include screensharing/Skype/FaceTime/etc. Note also the phone number for text messaging above.
7. Class Meeting: VC with mandatory meetings and mandatory group meetings.
8. Catalog Description: Introduces theory and practice for software engineering. Topics include software life cycle, requirements, specification and analysis, software architecture and detailed design, and testing.0
9. Prerequisites: CSCI 2365.
10. Required Textbook and Resources:
No materials will be required for purchase via normal textbook channels. Instead, student will purchase various materials and subscriptions helpful for learning software engineering and the project, limited to a maximum of \$75.
11. Optional Materials: n/a
12. Course Outcome Competencies:
Upon completion of this course the student should be able to:
 - Describe agile approach to software development
 - Describe “waterfall” approach to software development
 - Use a version control system
 - Demonstrate at least one way they tested their product
 - Practice basics of Agile methodology
 - Work in a team successfully
13. Attendance Requirements: All students are expected to attend virtually all of the required meeting sessions, including meetings with client and/or professor and meetings scheduled by the group. Any student missing more than 25% of the meetings will fail the course.
14. Course Requirements and Grading Criteria:

Mini project – 10% of course grade. Credit shall be assigned by instructor according to completeness of work and instructor's evaluation of each student's relative contribution, as influenced by self and peer report of contribution.

Project – 60% of course grade. Credit shall be assigned by instructor according to completeness of work, satisfaction level of client and instructor's opinion of each student's relative contribution, as influenced by self and peer report of contribution.

Attendance – 20% of course grade – tutorial sessions (aka client meetings) and group meetings

The professor reserves the right to add a final exam separate from the project and adjust the grade breakdown accordingly.

Grading Criteria: A standard grading scale shall be used in the course: A = 90-100%, B=80-89%, C=70-79%, D=60-69%, F= <60. There is no guarantee of any rounding.

15. Tentative Schedule:

COURSE OUTLINE/CALENDAR (TENTATIVE)

1st week of class (May 29-June 3)

Tues meet, kickoff and complete small practice project to practice version control and working together as a team
Begin meeting twice each week as team. Scheduled Tues full meet can be counted as one of the meets.

2nd week (June 4-10)

Tues meet, kickoff actual project and begin first 2-week sprint of work
Continue meeting twice each week as team.

3rd-10th week (June 11-Aug 5)

Continue 2 week sprints. Meet with client at end of sprint.
Continue meeting twice each week as team.

11th week (Aug 6-11th)

Final meeting with client. Professor reserves right to have possible final exam separate from project.

16. Additional important information:

Any directives concerning class will be sent to your Wayland email account. It is imperative that you monitor that throughout the semester.

Other information:

Disability Statement: In compliance with the Americans with Disabilities Act of 1990 (ADA), it is the policy of Wayland Baptist University that no otherwise qualified person with a disability be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity in the university. The Coordinator of Counseling Services serves as the coordinator of students with a disability and should be contacted concerning accommodation requests at (806) 291- 3765. Documentation of a disability must accompany any request for accommodations.

Students shall have protection through orderly procedures against prejudices or capricious academic evaluation. A student who believes that he or she has not been held to realistic academic standards, just evaluation procedures, or appropriate grading, may appeal the final grade given in the course by using the student grade appeal process described in the Academic Catalog. Appeals may not be made for advanced placement examinations or course bypass examinations. Appeals are limited to the final course grade, which may be upheld, raised, or lowered at any stage of the appeal process. Any recommendation to lower a course grade must be submitted through the Executive Vice President/Provost to the Faculty Assembly Grade Appeals Committee for review and approval.

The Faculty Assembly Grade Appeals Committee may instruct that the course grade be upheld, raised, or lowered to a more proper evaluation.