CS 600 - Professional Software Development
Fall 2019 Syllabus

Instructor: Dr. J. Genetti
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Office / Phone: 541 Duckering / 474-5737
Office Hours: MW 2:30-4:00 or by appointment

Prerequisites: CS 472
Required Text: *Agile Project Management with Kanban*, Eric Brechner, Microsoft
Location/Time: Duckering 535, MWR 4:00-5:20

Catalog description: Participate in a group project to explore the technical, social and ethical aspects of software development. Topics include: requirements engineering, enterprise-level data storage, software architecture, security, software testing, legal issues, computer ethics, risk management and project management.

Course goals: Your group will develop an idea, develop a business plan, form an LLC, develop a software-based product and deliver a pitch for further funding at the end of the semester using Kanban for Agile Project Management. Your group will also select an open-source project to contribute to with an expectation of at least one change accepted per group member. As an individual, you will explore additional software development topics via lectures/discussions, book presentations and a take-home exam requiring research on several topics.

Grading:

Assignment	Weight
Book - presentation/slides + defense (individual)	20%
Take-home Final Exam (individual)	20%
Business Plan (group)	10%
Kanban Standups (10) (group)	10%
Project Results (group)	10%
Final Presentation & Pitch (group)	10%
Open-source Project (group)	20%

Final grades: Will be assigned based on the following percentage intervals: A+ [95%,100%], A [90%,95%), A- [85%,90%), B+ [80%,85%), B [75%,80%), B- [70%,75%), C+ [65%,70%), C [60%,65%), C- [55%,60%), D+ [50%,55%), D [45%,50%), D- [40%,45%), F [0%,40%).

Policies: Department policies can be found at www.cs.uaf.edu/departmental-policies/

Disabilities Services: The Office of Disability Services implements the Americans with Disabilities Act (ADA), and insures that UAF students have equal access to the campus and course materials. I will work with the Office of Disabilities (208 Whitaker Bldg, 474-5655) to provide reasonable accommodation to students with disabilities.