



Master Course Syllabus

For additional course information, including prerequisites, corequisites, and course fees, please refer to the Catalog: <https://catalog.uvu.edu/>

Semester: Spring

Course Prefix: CMGT

Course Title: Construction Computer Applications

Year: 2025

Course and Section #: 2035-601

Credits: 3:3:0

Course Description

Emphasizes construction industry-specific, project management software use.

Course Attributes

This course has the following attributes:

- General Education Requirements
- Global/Intercultural Graduation Requirements
- Writing Enriched Graduation Requirements
- Discipline Core Requirements in Program
- Elective Core Requirements in Program
- Open Elective

Other: *Click here to enter text.*

Instructor Information

Instructor Name: Braden Wall

Student Learning Outcomes

This course applies common software applications in the construction industry to real-world project management activities such as RFI's, change orders, punch lists, cloud coordination. It will prepare students on software that will be required in future courses and their careers.

- An ability to use and apply current industry computer applications
 - An ability to use and apply plan reading skills in real world scenario's
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Course Materials and Texts

Click here to enter text.

Course Requirements

Course Assignments, Assessments, and Grading Policy

GRADING:

Assignments/Exercises 66%

Participation 17%

Final Exam 17%

GRADING SCALE PERCENTAGES:

A = 94-100 C = 73-75

A- = 90-93 C- = 70-72

B+ = 86-89 D+ = 66-69

B = 83-85 D = 63-65

B- = 80-82 D- = 60-62

C+ = 76-79 E = 0-59

ASSIGNMENTS: Assignments turned in on time will be given the full credit earned. Each assignment/exercise is due at the beginning of class. Late assignments will NOT be accepted.

PARTICIPATION: Your participation grade will be based on attendance as well as class participation and respect for others. Points will be deducted when students are not giving their complete attention to guest speakers, student presenters, or to the instructor. Surfing on the internet in class will cause you to lose all points for the class period. Participation points will be deducted for arriving late to class, for not giving attention to the speaker, and for any other disruptive issues that may arise. No participation credit will be granted if you do not attend class.

FINAL EXAM: Held the last day of class. This is an in-person exam.

EXTRA CREDIT:

- Site Visit (10 pts)
- SRI (10 pts)

Required or Recommended Reading Assignments

Click here to enter text.

General Description of the Subject Matter of Each Lecture or Discussion

Week 1: Bluebeam Revu essentials & Revu navigating documents

Week 2: Working with Markup tools

Week 3: Processing document content

Week 4: Markup list & Markup data

Week 5: Issue Tracking, Hyperlink and Places

Week 6: Scale & Calibration, Takeoffs & Estimates

Week 7: Takeoff Data & Industry Workflows, Drafting and Sketching

Week 8: Building Project Dashboards

Week 9: Field Distribution, Document security and verification, form editing & creation

Week 10: Real Time collab studio session & document management studio projects

Week 11: Precon Tools & core tools, Procore Student Certification

Week 12: PM Tools, Procore Student certification

Week 13: Quality & Safety tools and Financial Tools, Procore Student certification

Week 14: Document Editing and manipulation

Week 15: Automatic form creation & studio project

Required Course Syllabus Statements

Generative AI

AI: programs are not a replacement for your human creativity, originality, and critical thinking. Writing, thinking, and researching are crafts that you must develop over time to develop your own individual voice. At the same time, you should learn how to use AI and in what instances AI can be helpful to you. The use of generative AI tools (e.g. ChatGPT, Google Bard, etc.) is permitted in this course for the following activities:

- Brainstorming and refining your ideas;
- Fine tuning your research questions;
- Finding information on your topic;
- Drafting an outline to organize your thoughts; and
- Checking grammar and style.

The use of generative AI tools is not permitted in this course for the following activities:

- Impersonating you in classroom contexts, such as by using the tool to compose discussion board prompts/responses assigned to you or content that you put into a Teams/Canvas chat.
- Completing group work that your group has assigned to you, unless it is mutually agreed upon that you may utilize the tool.
- Writing a draft of a writing assignment.
- Writing entire sentences, paragraphs or papers to complete class assignments.
- You are responsible for the information you submit based on an AI query (for instance, that it does not violate intellectual property laws, or contain misinformation or unethical content). Your use of AI tools must be properly documented and cited in order to stay within university policies on academic honesty.
 - Any student work submitted using AI tools should clearly indicate what work is the student's work and what part is generated by the AI. In such cases, no more than 25% of the student work should be generated by AI. If any part of this is confusing or uncertain, please reach out to me for a conversation before submitting your work.

Using Remote Testing Software

This course does not use remote testing software.

This course uses remote testing software. Remote test-takers may choose their remote testing locations. Please note, however, that the testing software used for this may conduct a brief scan of remote test-takers' immediate surroundings, may require use of a webcam while taking an exam, may require the microphone be on while taking an exam, or may require other practices to confirm academic honesty. Test-takers therefore shall have no expectation of privacy in their test-taking location during, or immediately preceding, remote testing. If a student strongly objects to using test-taking software, the student should contact the instructor at the beginning of the semester to determine whether alternative testing arrangements are feasible. Alternatives are not guaranteed.

Required University Syllabus Statements

Accommodations/Students with Disabilities

Students needing accommodations due to a permanent or temporary disability, pregnancy or pregnancy-related conditions may contact UVU [Accessibility Services](#) at accessibilityservices@uvu.edu or 801-863-8747.

Accessibility Services is located on the Orem Campus in BA 110.

Deaf/Hard of Hearing students requesting ASL interpreters or transcribers can contact Accessibility Services to set up accommodations. Deaf/Hard of Hearing services can be contacted at DHHservices@uvu.edu

DHH is located on the Orem Campus in BA 112.

Academic Integrity

At Utah Valley University, faculty and students operate in an atmosphere of mutual trust. Maintaining an atmosphere of academic integrity allows for free exchange of ideas and enables all members of the community to achieve their highest potential. Our goal is to foster an intellectual atmosphere that produces scholars of integrity and imaginative thought. In all academic work, the ideas and contributions of others must be appropriately acknowledged and UVU students are expected to produce their own original academic work.

Faculty and students share the responsibility of ensuring the honesty and fairness of the intellectual environment at UVU. Students have a responsibility to promote academic integrity at the university by not participating in or facilitating others' participation in any act of academic dishonesty. As members of the academic community, students must become familiar with their [rights and responsibilities](#). In each course, they are responsible for knowing the requirements and restrictions regarding research and writing, assessments, collaborative work, the use of study aids, the appropriateness of assistance, and other issues. Likewise, instructors are responsible to clearly state expectations and model best practices.

Further information on what constitutes academic dishonesty is detailed in [UVU Policy 541: Student Code of Conduct](#).

Equity and Title IX

Utah Valley University does not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age (40 and over), disability, veteran status, pregnancy, childbirth, or pregnancy-related conditions, citizenship, genetic information, or other basis protected by applicable law, including Title IX and 34 C.F.R. Part 106, in employment, treatment, admission, access to educational programs and activities, or other University benefits or services. Inquiries about nondiscrimination at UVU may be directed to the U.S. Department of Education's Office for Civil Rights or UVU's Title IX Coordinator at 801-863-7999 – TitleIX@uvu.edu – 800 W University Pkwy, Orem, 84058, Suite BA 203.

Religious Accommodation

UVU values and acknowledges the array of worldviews, faiths, and religions represented in our student body, and as such provides supportive accommodations for students. Religious belief or conscience broadly includes religious, non-religious, theistic, or non-theistic moral or ethical beliefs as well as participation in religious holidays, observances, or activities. Accommodations may include scheduling or due-date modifications or make-up assignments for missed class work.

To seek a religious accommodation, a student must provide written notice to the instructor and the Director of Accessibility Services at accessibilityservices@uvu.edu. If the accommodation relates to a scheduling conflict, the notice should include the date, time, and brief description of the difficulty posed by the conflict. Such requests should be made as soon as the student is aware of the prospective scheduling conflict.

While religious expression is welcome throughout campus, UVU also has a [specially dedicated space](#) for meditation, prayer, reflection, or other forms of religious expression.