

Syllabus for
ART 335 – Graphic Design III
3 Credit hours
Fall 2021

I. COURSE DESCRIPTION

An advanced study of the technologies and materials associated with communication design in three dimensions (physical and virtual). A broad study of human factors topics important to designers and researchers. Emphasis placed on using anatomy, ergonomics, usability, and user-interface to enhance quality and integrate best practices into design methodologies and policies. (Class contact for lecture and studio—6 hours per week.) Prerequisites: ART 090 BFA Portfolio Review or permission of the instructor
Course fee: \$40.

II. COURSE GOALS

Provide an overview to the design process including application of theoretical principles to produce solutions to various communication problems.

III. STUDENT LEARNING OUTCOMES FOR THIS COURSE

A. Terminal Objectives

In coordination with standards published by the National Association of Schools of Art and Design (NASAD Handbook X.C.3.e), the student will:

1. Understand and use technology.
2. Functionally understand of how to continue learning technology, recognizing that technological change is constant.
3. Conduct critical evaluations of different technologies in specific design problem contexts, including the placement of technical issues in the service of human-centered priorities and matching relationships between technologies and the people expected to use them.
4. Shape and create technological tools and systems to address communication problems and further communication goals.
5. Recognize and analyze the social, cultural, and economic implications of technology on message creation and production and on human behavior, and to incorporate results into design decisions.

B. Unit Objectives

1. Understanding of and the ability to use technology.
2. The student will use three-dimensional software to produce physical, animated and virtual artifacts.
3. The student will use human-centered factors to develop appropriate design solutions for end users.
4. The student will verbally defend and/or write documents that address design solutions and artifacts in the context of end users behavior.

C. Objectives for Students in Teacher Preparation Programs

The Teacher Preparation Program meets the competency-based requirements established by the Oklahoma Commission on Teacher Preparation. This course meets the following competencies: Subject Competencies (SC)

This course is designed to help students meet subject competencies:

- SC 8: The candidate has experience in and an understanding of various methods of art production and creative development to include drawing, figure drawing, color and design, painting, printmaking, sculpture, clay, applied design and technology.
- SC 11 The candidate develops a portfolio of his/her own artwork.
- SC 14 The candidate recognizes the important role of technology in education and that it may serve as a supportive tool in art education.

IV. TEXTBOOKS AND OTHER LEARNING RESOURCES

A. Required Materials

- 1. Textbooks
 - a. DuPuis, Steven and John Silva; *Package Design Workbook: The Art and Science of Successful Packaging*; Rockport Publishers; First Ed, 2011. ISBN # 978-1592537082
 - b. Gibson, David; *The Wayfinding Handbook: Information Design for Public Places*; Princeton Architectural Press, First Ed, 2019. ISBN # 978-1568987699
 - c. Serrell, Beverly; *Exhibit Labels: An Interpretive Approach*; Rowman & Littlefield Publishers; Second Ed, 2015. ISBN # 978-1442249035
- 2. Other
 - a. <http://d2l.oru.edu/> Students are required to use course D2L (Desire 2 Learn) site.
 - b. Supplies for the course are listed on the course D2L site.

B. Optional Materials

- 1. Textbooks
 - a. Salvendy, Gavriel; *Handbook of Human Factors and Ergonomics*; Wiley, Fourth ed, 2012. ISBN: 978-0-470-52838-9
- 2. Other
 - a. This course requires possession of appropriate laptop and software as specified by the Art and Design Technology Requirement < <https://oru.edu/academics/coacs/tdva/> >.
 - b. <https://www.autodesk.com/products/fusion-360/students-teachers-educators>
 - c. <https://www.maxon.net/en-us/learn/educational-licenses/students-and-instructors/>
 - d. <https://www.autodesk.com/education/free-software/3ds-max>

V. POLICIES AND PROCEDURES

A. University Policies and Procedures

- 1. Attendance at each class or laboratory is mandatory at Oral Roberts University. Excessive absences can reduce a student's grade or deny credit for the course.

2. Students taking a late exam because of an unauthorized absence are charged a late exam fee.
3. Students and faculty at Oral Roberts University must adhere to all laws addressing the ethical use of others' materials, whether it is in the form of print, electronic, video, multimedia, or computer software. Plagiarism and other forms of cheating involve both lying and stealing and are violations of ORU's Honor Code: "I will not cheat or plagiarize; I will do my own academic work and will not inappropriately collaborate with other students on assignments." Plagiarism is usually defined as copying someone else's ideas, words, or sentence structure and submitting them as one's own. Other forms of academic dishonesty include (but are not limited to) the following:
 - a. Submitting another's work as one's own or colluding with someone else and submitting that work as though it were his or hers;
 - b. Failing to meet group assignment or project requirements while claiming to have done so;
 - c. Failing to cite sources used in a paper;
 - d. Creating results for experiments, observations, interviews, or projects that were not done;
 - e. Receiving or giving unauthorized help on assignments.

By submitting an assignment in any form, the student gives permission for the assignment to be checked for plagiarism, either by submitting the work for electronic verification or by other means. Penalties for any of the above infractions may result in disciplinary action including failing the assignment or failing the course or expulsion from the University, as determined by department and University guidelines.
4. Final exams cannot be given before their scheduled times. Students need to check the final exam schedule before planning return flights or other events at the end of the semester.
5. Students are to be in compliance with University, school, and departmental policies regarding Whole Person Assessment requirements. Students should consult the WPA handbooks for requirements regarding general education and the students' majors.
 - a. The penalty for not submitting electronically or for incorrectly submitting an artifact is a zero for that assignment.
 - b. By submitting an assignment, the student gives permission for the assignment to be assessed electronically.

B. Department Policies and Procedures

1. **Attendance**—At Oral Roberts University, students are expected to attend all classes. Understanding that there are sometimes unavoidable circumstances that prevent perfect attendance, each student is allowed to miss class the number of times per week a class meets. This allowance is for illness, personal business, and personal emergency. Students may consider this personal days or sick leave. If a student has absences in excess of this number, the earned grade for the course will be reduced one letter grade for each hour's absence above those allowed. A student missing class due to illness must take an unexcused absence. Extended illnesses are handled on an individual basis and require a doctor's excuse.

2. **Administratively Excused Absences**—Students who must miss class for University sponsored activities must follow these procedures:
 - a. Inform the professor before the event.
 - b. Arrange to complete missed work within one week.
 - c. Not commit to class performances (oral reports, speeches, television tapings, group presentations, etc.) on a date the student will be gone. Makeup work is not permitted if the student voluntarily commits to a performance on the date of an administratively excused absence.
 - d. Present an excuse, signed by the Dean of Arts and Cultural Studies, the day the student returns.
3. **Tardies**—Tardies are an inconvenience to the other class members and the professor, and they prevent the late student from obtaining maximum value from the class. Therefore, tardies are calculated in the attendance provision of this course. Three tardies equal one absence and are included in the absences when determining the course grade. It is to the student's advantage to make sure that the professor is informed immediately following the close of the class that the student was tardy and not absent. It is not the professor's responsibility to stop the class to mark the student late; the student is the one responsible to convey that information following that class. Students should not expect to be credible the following class session concerning a late arrival on a previous day.
4. **Late Work**—The student is responsible for obtaining class assignments and material covered during an absence. All work must be completed as scheduled. An absence is not an excuse for turning in late work or for being unprepared with assignments for the class following the absence. If late work is accepted, a substantial penalty will be assessed.
5. **Literacy**—The Communication, Arts, and Media Department does not accept for credit any written assignment that contains more than an average of three grammatical and/or typographical errors per page.
6. **Whole Person Assessment**—Refer to the Communication, Arts, and Media WPA handbook for policies at <http://oru.edu> by clicking on **Current Students**, > **Resources**, then **Whole Person Assessment** (via pop up window). Use the **Handbooks** link on the left and then **Communication, Arts, and Media WPA Handbook**. The direct link: http://www.oru.edu/current_students/my_academics/resources/whole_person_assessment/documents/comm_arts.pdf

C. Course Policies and Procedures

1. Evaluation Procedures
 - a. Grades are calculated based on attendance and the evaluation of all work submitted. The final score is calculated based on the following ratio: Assignments = 70%; Exercises, Quizzes, and Attendance = 10% each. A complete description of the procedures can be found on the course D2L site under "Evaluation Procedures > Grades."
 - b. More than three (3) Absences will result in the reduction of at least one letter grade from the final course grade. A complete description of the policy can be found on the course D2L site under "Evaluation Procedures > Attendance Policy."

- c. A one-letter grade per assignment penalty is assigned to late work. A complete description of the policy can be found on the course D2L site under “Evaluation Procedures >Late Work Policy.”
 - 2. Whole Person Assessment Requirements
 - a. Required Assignments
 - 1) WPA-AGRD - Dimensional and Spatial Design Portfolio
 - 2) Artifacts from this course may be required submissions or assessments for requirements in other courses.
 - b. Artifacts not submitted electronically or incorrectly submitted receive a zero for that assignment.

VI. COURSE CALENDAR

Weeks	Topics
1	Course Introduction
2	Introduction to Human Factors
3	Packaging Function
4	Packaging Function
5	Packaging Aesthetics
6	Introduction to prototyping
7	Virtual models for prototyping
8	Computer Controlled Devices (CNC)
9	Wayfinding
10	Wayfinding
11	Exhibition Design
12	Exhibition Design
13	Exhibition Design
14	Testing and Analysis
15	Final Grading

