

## EED 330 – Programmable Systems for the Entertainment Industry

Instructor:	Email:
Mon & Wed	Cell:
Locations:	Office Hours:

TA:  
Email:  
Cell:

### Course Description:

EED 330 is an exploration of the programming languages and automated systems used for live entertainment. The lectures serve as an introduction to: different types of programming, hardware currently in use, and future trends within the industry. In addition, EED 330 is a lab-based class that requires group and individual work. Students will be given directions and materials to develop automated systems necessary for a number of theatrical effects. Students are expected to work on projects in class and in supervised supplemental EED labs.

- ◆ The students will generate drawings, parts diagrams, wiring diagrams, bill of materials, component lists, etc., etc., et al. for all class projects.
- ◆ All project documents are to be submitted digitally on or before the projects' due dates.
- ◆ Students will maintain a personal journal detailing and documenting all work.

### Learning Outcomes:

- The student will be able to identify the components of a programmable system.
- The student will be able to interpret and summarize what a program will do, in a variety of different programming languages.
- The student will be able to analyze how an automated system is constructed and make suggestions to revise the system for safer operation.
- The student will be able to alter a programmable system to produce a different effect.
- **THE STUDENT WILL APPLY KNOWLEDGE OF AND DEMONSTRATE SAFE WORKING PRACTICES WHEN WORKING WITH AUTOMATED MACHINERY.**
- The student will be able to design and program an automated effect.
- The student will be able to demonstrate the ability to troubleshoot a programmable system and determine the optimal way to make the system operable.

The class will consist of approximately 2-3 hours per week of lectures and studio time. Studio time will allow students to design, build, program and test projects.

Grading for the class will be based on:

Projects (70%)

Participation in in-class project critique sessions (20%)

A written project notebook/journal (10%)

Details on each of the projects will be provided when they are assigned. A grading rubric, specific for each project, will be presented and explained to the class every time a new project is assigned. Every project and its corresponding grading rubric will be posted to Webcampus for the class to access. Upon completion of each of the projects, the team's work will be reviewed in-group critique sessions. The members of the class are expected to take an active role in these sessions.

Each student is expected to maintain a project notebook. The notebook is to contain notes, drawings, and general thoughts on the design and progress of each project. The notebook should be viewed by the student as an aid in the design process. The project notebook (or journal) is subject to periodic review by the instructor. Keep it current!

Cell phones are to be "turned off and remain off" for the duration of the class period.

No food or drink other than water in sealed containers is allowed in the classroom.

Instruction will be given for the safe and proper operation of tools, machine components, and electronic devices to be used during this class. NO ONE will be allowed to use the equipment without having been instructed and tested on safe operating procedures. Students will be allowed access to the classroom and equipment during class and at such times when the studio is staffed and open for general use.

Class will begin on time and students are expected to be in the classroom, prepared to begin at the designated time.

**Required Text:** There is not a required text for EED 330. Students will be provided with links to useful and relevant online resources throughout the semester.

#### **Late Work**

Full credit will not be given for late assignments unless you have a documented medical emergency or other legitimate excuse. If you do experience a personal emergency that hinders your ability to do the work in this class, please notify the instructor and your project partners as soon as possible. Late projects will lose a full letter grade for every day they are late.

**Attendance and Participation**

Class will begin on time - punctuality is imperative. An attendance sheet will be handed out every class for the students to sign. If a student cannot attend class they should notify the instructor via email.

During critique sessions, students are expected to be courteous and attentive to the other presenters. Students will not be allowed to work on their projects while another group is presenting. Students should participate in critique sessions with thoughtful questions and recommendations for project improvements.

No food or drink other than water in sealed containers is allowed in the classroom.

**Library Resources**

Students may consult with a librarian on research needs. For this class, the subject librarian is Sue Wainscott. ([https://www.library.unlv.edu/contact/librarians\\_by\\_subject](https://www.library.unlv.edu/contact/librarians_by_subject)). UNLV Libraries provides resources to support students' access to information. Discovery, access, and use of information are vital skills for academic work and for successful post-college life. Access library resources and ask questions at <https://www.library.unlv.edu>.

## UNLV Policies:

**Academic Misconduct**—Academic integrity is a legitimate concern for every member of the campus community; all share in upholding the fundamental values of honesty, trust, respect, fairness, responsibility and professionalism. By choosing to join the UNLV community, students accept the expectations of the Student Academic Misconduct Policy and are encouraged when faced with choices to always take the ethical path. Students enrolling in UNLV assume the obligation to conduct themselves in a manner compatible with UNLV's function as an educational institution.

An example of academic misconduct is plagiarism. Plagiarism is using the words or ideas of another, from the Internet or any source, without proper citation of the sources. See the *Student Academic Misconduct Policy* (approved December 9, 2005) located at: <https://www.unlv.edu/studentconduct/student-conduct>.

**Copyright**—The University requires all members of the University Community to familiarize themselves **with** and to follow copyright and fair use requirements. **You are individually and solely responsible for violations of copyright and fair use laws. The university will neither protect nor defend you nor assume any responsibility for employee or student violations of fair use laws.** Violations of copyright laws could subject you to federal and state civil penalties and criminal liability, as well as disciplinary action under University policies. Additional information can be found at: <http://www.unlv.edu/provost/copyright>.

**Disability Resource Center (DRC)**—The UNLV Disability Resource Center (SSC-A 143, <http://drc.unlv.edu/>, 702-895-0866) provides resources for students with disabilities. If you feel that you have a disability, please make an appointment with a Disabilities Specialist at the DRC to discuss what options may be available to you. If you are registered with the UNLV Disability Resource Center, bring your Academic Accommodation Plan from the DRC to the instructor during office hours so that you may work together to develop strategies for implementing the accommodations to meet both your needs and the requirements of the course. Any information you provide is private and will be treated as such. To maintain the confidentiality of your request, please do not approach the instructor in front of others to discuss your accommodation needs.

**Religious Holidays Policy**—Any student missing class quizzes, examinations, or any other class or lab work because of observance of religious holidays shall be given an opportunity during that semester to make up missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor within the first 14 calendar days of the course for fall and spring courses (excepting modular courses), or within the first 7 calendar days of the course for summer and modular courses, of his or her intention to participate in religious holidays which do not fall on state holidays or periods of class recess. For additional information, please visit: <http://catalog.unlv.edu/content.php?catoid=6&navoid=531>.

**Transparency in Learning and Teaching**—The University encourages application of the transparency method of constructing assignments for student success. Please see these two links

for further information:

<https://www.unlv.edu/provost/teachingandlearning>

<https://www.unlv.edu/provost/transparency>

**Incomplete Grades**—The grade of I—Incomplete—can be granted when a student has satisfactorily completed three-fourths of course work for that semester/session but for reason(s) beyond the student’s control, and acceptable to the instructor, cannot complete the last part of the course, and the instructor believes that the student can finish the course without repeating it. The incomplete work must be made up before the end of the following regular semester for undergraduate courses. Graduate students receiving “I” grades in 500-, 600-, or 700-level courses have up to one calendar year to complete the work, at the discretion of the instructor. If course requirements are not completed within the time indicated, a grade of F will be recorded and the GPA will be adjusted accordingly. Students who are fulfilling an Incomplete do not register for the course but make individual arrangements with the instructor who assigned the I grade.

**Tutoring and Coaching**—The Academic Success Center (ASC) provides tutoring, academic success coaching and other academic assistance for all UNLV undergraduate students. For information regarding tutoring subjects, tutoring times, and other ASC programs and services, visit <http://www.unlv.edu/asc> or call [702-895-3177](tel:702-895-3177). The ASC building is located across from the Student Services Complex (SSC). Academic success coaching is located on the second floor of the SSC (ASC Coaching Spot). Drop-in tutoring is located on the second floor of the Lied Library and College of Engineering TEB second floor.

**UNLV Writing Center**—One-on-one or small group assistance with writing is available free of charge to UNLV students at the Writing Center, located in CDC-3-301. Although walk-in consultations are sometimes available, students with appointments will receive priority assistance. Appointments may be made in person or by calling 702-895-3908. The student’s Rebel ID Card, a copy of the assignment (if possible), and two copies of any writing to be reviewed are requested for the consultation. More information can be found at: <http://writingcenter.unlv.edu/>.

**Rebelmail**—By policy, faculty and staff should e-mail students’ Rebelmail accounts only. Rebelmail is UNLV’s official e-mail system for students. It is one of the primary ways students receive official university communication such as information about deadlines, major campus events, and announcements. All UNLV students receive a Rebelmail account after they have been admitted to the university. Students’ e-mail prefixes are listed on class rosters. The suffix is always [@unlv.nevada.edu](mailto:@unlv.nevada.edu). **Emailing within WebCampus is acceptable.**

**Final Examinations**—The University requires that final exams given at the end of a course occur at the time and on the day specified in the final exam schedule. See the schedule at: <http://www.unlv.edu/registrar/calendars>.