TLU’s Educator Preparation Program

Use of Technology

The following are ways in which we help prepare teachers to “integrate technology effectively into curricula and instruction, including activities consistent with the principles of universal design for learning”, and to “use technology effectively to collect, manage, and analyze data to improve teaching and learning for the purpose of increasing academic achievement.” Much of this will be covered in EDUC 272 – Classroom Applications of Technology (see course description below); however, these topics are also explored and taught in multiple courses throughout the program. Examples of other courses include EDUC 373 – Special Populations; EDUC 375 – English as a Second Language; EDUC 378 – General Science Concepts; EDUC 382 – Mathematics for the Child; EDUC 431 – Instructional Strategies; and READ 332 – Foundations of Literacy.

Teacher candidates will:

* develop at least one lesson that utilizes technology in as an instructional strategy.
* investigate and evaluate web sites and educational software/apps in multiple courses.
* develop a grade book so that they can learn how to collect, manage, and analyze quantitative data. The data can then be used to guide decisions.
* work on developing (fictional) data sets for standardized tests for students to use for organizing data, developing curriculum, and decision making.
* understand the use of technology can be equitable, flexible, and help all students build knowledge and lead to an effective and productive learning experience.
* understand the principles of universal design for learning.
* gain knowledge about google classroom.

We have available for use within the department: 30 iPads, a Mimio system, an IPEVO system, and several document cameras. Students have numerous campus-based computers with a variety of software, printing possibilities, and other technological devices.

EDUC 272 – Classroom Applications of Technology

Teaches the selection and application of appropriate technology tools to acquire, analyze, synthesize and evaluate information for diverse applications in daily school practice, including problem solving instruction, simulation, research, experimentation, record keeping and assessment. Students will select or develop productivity tools appropriate for enhancing communication and instruction with a variety of audiences, including students, parents and the general public. Admission to the Educator Preparation Program is not required.