Minnesota State University Moorhead

GID 454: Immersive Media

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites:
This course requires the following prerequisite
GID 250 - Introduction to Interactive Media

Corequisites: None

MnTC Goals: None

In this course, students will learn the history and fundamentals of immersive media, the digital tools used to create it, and how this medium is unique from its predecessors. We will explore the breadth of the existing field, including Extended Reality (XR), Mixed Reality (MR), and focus on developing projects in Virtual Reality (VR), and Augmented Reality (AR). The course will teach students in visual and design fields how to tell stories using 360-degree photos, video and computer-generated art and scenes that users experience through mobile devices and VR headsets.

B. COURSE EFFECTIVE DATES: 01/02/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Immersive History, foundational technology, and experiences. 360 Photography, Augmented Reality, VR with 360 Video, VR with 3D in Unity Game Engine

D. LEARNING OUTCOMES (General)

1. Understand how modern AR and VR technology works, and what makes content experienced through mobile devices and modern virtual reality headsets a unique media form.
2. Explore, critique and deconstruct AR and VR experiences being created by contemporary developers. Be able to explain what resources and skills are required to create a similar experience would be created.
3. Plan, design, and produce AR experiences through web-based software.
4. Shoot, edit, and host 360 photos in web-based software platforms.
5. Shoot, edit, and export 360 video with Adobe Premiere and incorporate 360 into a story to be experienced on a website and VR headset.
6. Plan, produce, and output 3D VR environments through the Unity 3D game engine to be experienced on a VR headset.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted