**Proposal Title:** TVPR 390 Advanced Compositing for Video

**Initiating Unit or Individual:** Television and Digital Media Production

**Contact Person’s Name:** Glen Okonoski  e-mail: okon2@ferris.edu phone: x2709

**Date or Term of Proposal Implementation:** Spring, 2012

- [ ] Group I - A – New degree/major or major, redirection of a current offering, or elimination of a degree, major or minor
- [ ] Group I - B – New minors or concentrations
- [ ] Group II - A – Minor curriculum clean-up and course changes
- [X] Group II - B – New Course
- [ ] Group III - Certificates
- [ ] Group IV – Off-Campus Programs

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* Support with Concerns or Not Support must include a list of specific concerns. Votes must be shown for faculty groups. Administrators check appropriate action taken.

To be completed by Academic Affairs

President (Date Approved)   Board of Trustees (Date Approved)   President’s Council (Date Approved)
1. Proposal Summary
(Summary is generally less than one page. Briefly: state what is proposed with a summary of rationale and highlights. Additional rationale may be attached.)

TDMP faculty have been receiving steady feedback from recent graduates and employers that video compositing skills are a skill set that is increasingly sought in the field. To address this need, TDMP is proposing this experimental course that will build on the basic skills developed in TVPR 210 Compositing for Video. After an initial offering this spring, the course will be evaluated and assessed to determine if it is to become a regular course offering for the program.

2. Summary of All Course Action Required*

a. Newly Created Courses to FSU:
Prefix   Number   Title
TVPR   390    Advanced Compositing for Video

b. Courses to be Deleted From FSU Catalog:
Prefix   Number   Title


c. Existing Course(s) to be Modified:
Prefix   Number   Title

d. Addition of existing FSU courses to program
Prefix   Number   Title

e. Removal of existing FSU courses from program
Prefix   Number   Title
3. Summary of All Consultations

Form Sent (B or C)  Date Sent  Responding Dept.  Date Received & by Whom

4. Will External Accreditation be Sought? (For new programs or certificates only)

__________ Yes  __________ No

If yes, name the organization involved with accreditation for this program.

5. Program Checksheets affected by this proposal.

The experimental course will be offered as an elective, with deviations being given to the students who enroll in the course. If it is made a permanent course, a determination will be made as to whether it is an elective or required course and a new checksheet will be created accordingly.
NEW COURSE INFORMATION FORM

See Sample – Limit to Two Pages Please

Course Identification:

Prefix:  Number  Title
TVPR  390  Advanced Compositing for Video

Course Description:
Advanced Compositing for Video will expand on the knowledge gained in TVPR 210 (Compositing for Video) by challenging students with more advanced techniques of compositing for video. Through project work including "Building a Better Key" and "Extending Your Set," Advanced Compositing will provide students with a more in-depth After Effects skill set for use in the motion graphics work environment.

Course Outcomes and Assessment Plan:
Upon successful completion of the course, students will demonstrate through the completion of project work their understanding of:

1. Implementing basic and advanced expressions to improve parenting of objects and enhance animations
2. The multiple ways to create mattes and chrominance keys within After Effects and correctly utilize the best technique within a composition
3. Creating visually stunning motion graphics compositions including photo-realistic set extensions that blend computer graphics with reality

Course Outline including Time Allocation:
"The history of mattes and chrominance keys" outlines the sordid past of working with compositing stunning backgrounds with live action foregrounds. From Frank Williams' first attempts at compositing in 1916 to the current uses of chrominance keys (blue/green screens) in films like Avatar, students will see examples of how the approach has improved over time.

4 lecture hours

"Compositing for the client" - Through real-life examples, students will gain an understanding of how compositing for clients differs from compositing for the amateur. Discussion will range from the importance of RBG color values in corporate communication, to the different steps in designing a motion graphics animation for corporate clients. They will then apply this knowledge in a project designed to work entirely with clients in the Ferris State University community.

6 lecture hours

"Set extensions" - Along with discussing the history of set extensions/matte paintings, through interactive lecture students will be shown examples of matte paintings/set extensions and offer insight into what is "real" and what is "fake." We will also discuss the different methods involved in the process of set extensions. This will offer them insight into how to build better set extensions in After Effects. 4 lecture hours
"Television vs. Film compositing" - by viewing examples students will understand how compositing for film differs from compositing for television, including broadcast news and sports (discussion also delves into the way compositing techniques are used to create objects on a football field during major games). **6 lecture hours**

"Film examples" - students will be shown films from different eras and discuss their compositing weaknesses and their strengths and also relate this to how these films have changed the motion graphics landscape. **4 lecture hours**

"Group Presentations" - Students will present to the class a specific method in compositing that has advanced through the years. Students will provide visual examples of the old method, and how it has improved. **6 lecture hours**

Projects:

"Building the better key" - Students will experiment with the basic chrominance key techniques while also utilizing the more advanced key techniques such as Keylight. Students will be graded on the quality of their finished key including the realism of the chrominance key. Those key-able elements could then be used in subsequent projects. For example, a student films blood on a green screen and utilizes it in an action film for their final project. **4 lab hours**

"Expressing through Expressions" - Students will get in depth experience working with expressions within Adobe After Effects. Students will create an animation utilizing expressions for movement. **4 lab hours**

"The Particulars of Particles" - Students will get hands-on experience working with the different particle effects/generators and will use that for a project. **4 lab hours**

"A Shot of Mocha" - Students will be introduced to Mocha and find out how the program works seamlessly to create a better means to motion track objects. Students will then use Mocha and After Effects to either stabilize footage or add objects to existing footage. **4 lab hours**

"Extending Your Set" - Students will create a set extension using photos and video they gather. One example would be a student filming actors in a wooded area and using alternate photos of demolished buildings in the background to create a post-apocalyptic scene. **6 lab hours**

"Compositing in the 'Real World" – Students in the class will team up with Television Production courses like Producing and Directing or the Studio show (who will serve as clients) and create an opening animation for those programs. The project will also incorporate real-life budgeting and client approval to simulate working in a professional setting. Resulting animations would be used for classes in subsequent semesters. **8 lab hours**
I. ACTION TO BE TAKEN: CREATE A NEW COURSE

Notes
1. Complete each item in Section I and Section II.
2. If this course is to be used as a prerequisite for other university courses, Form Fs that reflect the prerequisite change must be submitted for those courses as well.

Term Effective (6 digit code only): 201201 Examples: 200801(Spring), 200805(Summer), 200808(Fall)

Note: The first four digits indicate year, the next two digits indicate month in which term begins.

II. PROPOSED FOR NEW COURSE: Complete all sections a through r. See manual for clarification.

a. Course Prefix: TVPR
b. Number: 390
c. Enter Contact Hours per week in boxes.

LECTure 2 LAB 2 INDependent Study – Check (x)☐
Practicum: ☐ Seminar: ☐

d. Course Title: Advanced Compositing for Video (Limit to 30 characters/spaces.)

e. College Code: COEHS f. Department Code: TDMP
Credit Hours: Check (x) type and enter maximum and minimum hours in boxes.

g. Type: ☐ Variable ☑ Fixed h. Minimum Credit Hours ☐ 3 i. Maximum Credit Hours ☐ 3

j. May Be Repeated for Added Credit: Check (x) ☐ Yes ☑ No

k. Levels: Check (x) ☑ Undergraduate ☐ Graduate ☐ Professional

l. Grade Method: Check (x) ☑ Normal Grading ☐ Credit/No Credit only (Pass/Fail)
m. Does proposed new course replace an equivalent course? Check (x) ☐ Yes ☑ No

n. Equivalent course: Prefix ☐ Number ☐ See instructions on Replacement courses.

o. CATALOG DESCRIPTION – Limit to 75 words – PLEASE BE CONCISE.
Advanced Compositing for Video will expand on the knowledge gained in TVPR 210 (Compositing for Video) by challenging students with more advanced techniques of compositing for video. Through project work including "Building a Better Key" and "Extending Your Set," Advanced Compositing will provide students with a more in-depth After Effects skill set for use in the motion graphics work environment.

p. Term(s) Offered: ☑ ☐ (See instructions for listing.) q. Max. Section Enrollment: 15

r. Prerequisites/Co-requisites/Restrictions: (If none, leave blank.) Limited to 100 spaces. Prerequisite: TVPR 210.

UCC Chair Signature/Date: ___________________________ /__ /____
Academic Affairs Approval Signature/Date: ___________________________ /__ /____

To be completed by Academic Affairs Office: - Standard & Measures Coding and General Education Code
☐ Basic Skill (BS) ☐ General Education (GE) ☐ Occupational Education (OC) ☐ G.E. Codes

Office of the Registrar use ONLY

Date Rec’d: _____ Date Completed: _____ Entered: SCACRSE ☑ SCADETL ☑ SCARRES ☑ SCAPREQ ☑