Visual Effects with Nuke (Autumn 2017)

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About This Project Group

This project group is devoted to the state-of-art node-based compositing software *Nuke,* developed by The Foundry, with an emphasis on visual effects. Nuke has been used to produce high-end visual effects in recent Oscar Best Visual Effects winning films such as *Avatar*, *Gravity* and *Interstellar* – but we won't (and gosh we can't) go that far in 7 weeks.

One fascinating thing about Nuke, compared to its rival Adobe After Effects, is that Nuke is free for non-commercial purposes, which of course, includes this project group.

What You Care About Most (Points!)

Attendance	5 point each
Assignments	15 points each
Final Project	50 points
Total	??? points

For example, if the maximum MMC participation points you can get by taking a 7-week group is 23, and you get 220 out of 230 points here, your MMC participation points will be 22.

Weekly Assignments

Except for the first week, you will be asked to re-create each week's video clip(s) on your own. You will secure a perfect assignment grade if you finish the assignment on time and show you take the time to practice, and quality and creativity will earn you further extra points.

Final Project

At the end of this project group, you will compile a final project, which may be a collection of your polished weekly assignments, or (if you discuss with me in advance) an original footage edited by Nuke that makes use of the skills covered in this project group.

What You Don't Like Most (Attendance)

Attendance is expected and will be recorded each week. You earn 3 points for simply showing up, plus 1 point for not coming late or leaving early, and 1 point for active involvement.

If you really need to miss a meeting, I'd appreciate receiving an email in advance.

BuckeyeBox

The University offers BuckeyeBox, a cloud driver with unlimited storage space, to all students for free. I'll set up a group folder on BuckeyeBox where all files will be shared. You will be invited to the group folder but you need to go to [box.osu.edu](box.osu.edu) and sign up first.

The Digital Union

The Digital Union (DU) provides high-end computers on campus for free student use. DUs are located in Enarson 012, Stillman 145, Hagerty 171a, and Prior 460a. There's also a DU in Denney 063 which has an audio studio and a video recording studio (including a green screen), but this DU does not provide computer stations. For more information, refer to https://odee.osu.edu/digital-union.

Commitment to Inclusion

I am committed to providing a positive, safe, and inclusive place for all who participate in this project group. Both you and me have mutual responsibility to insure that the environment in all of these settings supports teaching, learning and collaborating, is respectful of the rights and freedoms of all members, and promotes the missions of MMC.

If there are aspects of this project group that result in barriers to your inclusion or your ability to participate, please let me know as soon as possible – that's very important to me.

Accommodations for Disabilities

If you think you need an accommodation because of a disability (learning disability, attention deficit disorder, psychological, physical, etc.), please contact me privately to discuss what I can do for you.

Schedule (Tentative)

Week 1   Introduction
Week 2   Our First Nuke Project
Week 3   Motion Tracking
Week 4   Keying & Rotoscoping

Week 5   Let's Go 3D
Week 6   3D Camera Tracking
Week 7   Final Project & Encoding & Review