



# **CS475M**

# **Computer Graphics Minor**

## **Quiz 1**

**August 12, 2016**

There are 6 slides including this one.  
Read all of them carefully before proceeding.



# Request

- **Think on your own about the question.**
- **Think first, search on Google later.**
- **Write the answer in your own words.**



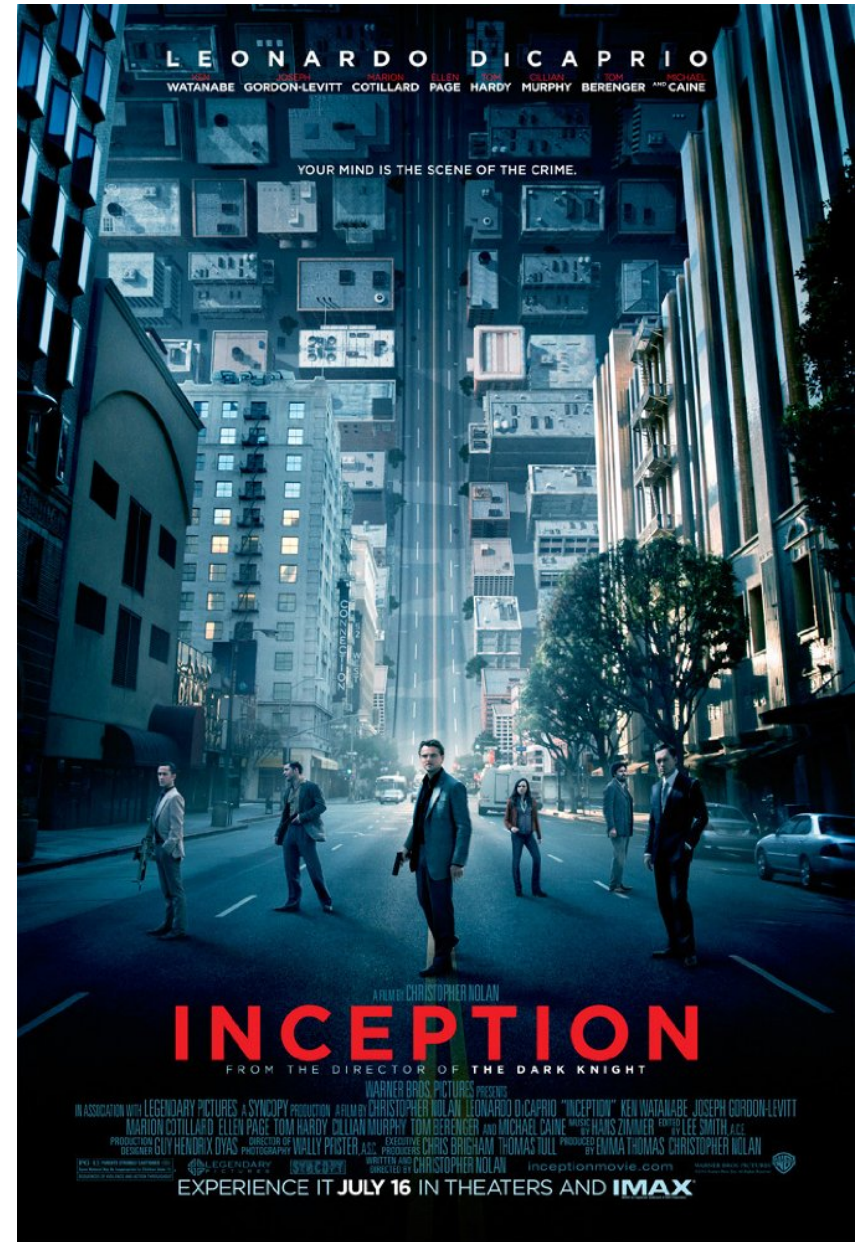
# Submission Guidelines

- Answer on A4 sized paper (the kind you use for printing).
- Do not write more than 2 sheets of A4 sized paper (to clarify 1 sheet has 2 sides, so all a maximum of 4 sides are allowed).
- Write in blue ink.
- Write legibly.
- Do not forget to write your name and roll number on the top of each sheet before you start your answer.
- Be ready to hand over the answer sheet in class on Aug 19, 2016.

# The Question

1) Watch the film: Inception.

- IMDb link:  
<http://www.imdb.com/title/tt1375666/>
- More details on next slide.





# The Question

- Identify three scenes in the film where some interesting transformations happen – there are quite a few of these in the film.
- Write the time at which this scene occurs in the film in a hh:mm:ss format.
- Now, imagine you are trying to recreate a similar scene. Describe how you will make the same happen using the topics you have been taught in class so far.
- Assume you have all the required geometry data available to you.
- Remember you can transform between any coordinate system if you have adequate information, you can place any sort of camera (from the types you have been taught) anywhere in the virtual world.



# The Question

- Be as mathematically precise as you can in your descriptions.
- Talk about both the modelling and viewing transformations in the scenes that you pick.
- Obviously, there is more than one correct answer in each case, but try and write feasible solutions.