## **This Course 3D Coordinate Systems (GE)** Course is taught by all groups at IGG 90-120 min each block Basic knowledge about the different **Lecture Intro** coordinate systems commonly used • Example for photogrammetry/robotics **Cyrill Stachniss** 2D/3D Euclidean space Representations of 3D rotations Homogeneous coordinates The slides have been created by Cyrill Stachniss. 1 2 **Expectations Timing Estimate for This Course** Teach basic skills that you will need 3 ECTS points = 90h workload Exam preparation = 30h • **Understand** the key concepts • Lecture & tutorial = 30h• Ability to apply them as a tool

- Ask questions not only during the tutorials
- No plagiarism

30h = 2h/week for exercises

(15 weeks, 2h per week)

## **Exercises**

- Mandatory homework assignments for obtaining exam admission
- Every student hands in an own solution
- Time to solve assignments: see deadline on assignment sheet!
- All homework assignments must be correctly solved
- Not accepted assignments have to be handed in again (~2 weeks later)

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## Exam

Written exam at the end of the course

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Prerequisite for the exam: 100% accepted homework assignments

Let's get started...