Georg-August-Universität Göttingen **Module B.Phy.5667: Practical Introduction to Computer Vision and Robotics**	3 C 2 WLH

Learning outcome, core skills: After successful completion of this module, students are familiar with • low level hardware components and their functions, • building and programming a robot, and • computer vision and planning algorithms.	**Workload:** Attendance time: 28 h Self-study time: 62 h

Course: Practical Introduction to Computer Vision and Robotics (Lecture) *Contents*: • This class repeats and expands contents of the lecture Introduction to Computer Vision and Robotics. • First, a robot is built. • The robot solves a graph problem. • The found solution is executed by the robot in a real-world scenario	

Examination: Practical examination (90 minutes) **Examination requirements:** The students must be able • to program control algorithms for a robot, and • to identify and understand low level hardware components as robot sensors and actuators.	3 C

Admission requirements: none	**Recommended previous knowledge:** Introduction to Computer Vision and Robotics
Language: English	**Person responsible for module:** Prof. Dr. Florentin Andreas Wörgötter
Course frequency: each winter semester	**Duration:** 1 semester[s]
Number of repeat examinations permitted: three times	**Recommended semester:** Bachelor: 5 - 6; Master: 1 - 2
Maximum number of students: 24	