课程详述

COURSE SPECIFICATION

以下课程信息可能根据实际授课需要或在课程检讨之后产生变动。如对课程有任何疑问，请联系授课教师。

The course information as follows may be subject to change, either during the session because of unforeseen circumstances, or following review of the course at the end of the session. Queries about the course should be directed to the course instructor.

1.	**课程名称 Course Title**	毕业设计 Capstone
2.	**授课院系** **Originating Department**	系统设计与智能制造学院 School of System Design and Intelligent Manufacturing
3.	**课程编号** **Course Code**	SDM401
4.	**课程学分 Credit Value**	8
5.	**课程类别** **Course Type**	专业必修课 Core Course
6.	**授课学期** **Semester**	春季学期 Spring semester
7.	**授课语言** **Teaching Language**	中英双语 English & Chinese
8.	**授课教师、所属学系、联系方式（如属团队授课，请列明其他授课教师）** **Instructor(s), Affiliation& Contact** **（For team teaching, please list all instructors）**	系统设计与智能制造学院教师 Faculty of School of System Design and Intelligent Manufacturing School of System Design and Intelligent Manufacturing
9.	**实验员/助教、所属学系、联系方式** **Tutor/TA(s), Contact**	待公布 To be announced
10.	**选课人数限额(可不填)** **Maximum Enrolment** **（Optional）**	

11.	授课方式 Delivery Method	讲授 Lectures	习题/辅导/讨论 Tutorials	实验/实习 Lab/Practical	其它(请具体注明) Other（Please specify）	总学时 Total
	学时数 Credit Hours			256	0	256

12.	先修课程、其它学习要求 Pre-requisites or Other Academic Requirements	
13.	后续课程、其它学习规划 Courses for which this course is a pre-requisite	
14.	其它要求修读本课程的学系 Cross-listing Dept.	

教学大纲及教学日历 SYLLABUS

毕业设计是通过毕业论文（设计）等各种形式，综合培养学生所学知识，使学生获得从事实际工作所必需的基本训练和进行科学研究工作的初步能力，为学生毕业后发展或进一步深造做准备。
The goal of Capstone Project is to comprehensively train students' knowledge through various forms such as Thesis, and senior design project, so that students can obtain the basic training necessary for practical applications and scientific research.

16. 预达学习成果 Learning Outcomes

培养学生具备综合运用基础理论、专业知识和基本技能，分析与解决问题，理论联系实际的能力；同时培养学生的创新精神、实践能力和写作表达能力等。
Train students to comprehensively apply basic theories, professional knowledge and basic skills, analyze and solve problems, and combine theory with practice. At the same time, cultivate students' innovative spirit, practical ability and writing skills.

17. 课程内容及教学日历 （如授课语言以英文为主，则课程内容介绍可以用英文；如团队教学或模块教学，教学日历须注明主讲人）
Course Contents (in Parts/Chapters/Sections/Weeks. Please notify name of instructor for course section(s), if this is a team teaching or module course.)

此课程学生开展综合工程训练，形式多样，例如毕业论文、毕业设计等等，具体的项目由指导老师确定，遵循学校毕业设计和毕业论文每 2 周计 1 学分，一周约等于 16 学时的计算方法。
Students of this course carry out comprehensive project-based training in mechanical engineering. Students should work with a faculty member to determine the project topic.

学生需要在开学两周内确定研究题目并提交开题报告。学期中（第 8 周结束前）需要提交中期报告。学期结束前提交期末报告并完成项目答辩。答辩需要由不少于 2 位老师（导师除外）进行评审。
The student should determine the project topic and submit a proposal by the end of 2nd week. A progress report should be submitted by the end of 8th week. By the end of the semester, the student should submit a complete project report and attend a defense exam with at least two faculty examiners (excluding the advisor).

18. 教材及其它参考资料 Textbook and Supplementary Readings

课程评估 ASSESSMENT

19.

Type of Assessment	Assessment Time	% of final score	Penalty	Notes
开题报告	Week 2	10		
中期报告	Week 8	25		
论文答辩	Week 16	65		

20. 记分方式 **GRADING SYSTEM**

√ A. 十三级等级制 **Letter Grading**
☐ B. 二级记分制（通过/不通过） **Pass/Fail Grading**

课程审批 REVIEW AND APPROVAL

21. **本课程设置已经过以下责任人/委员会审议通过**
This Course has been approved by the following person or committee of authority