



## Kursangebot – Stand WS 2017

– Thermal Engineering –

Course Name	Instructor	Term: Spring (S) / Fall (F)	In-Class Sessions per Week	Duration of In-Class Session (in minutes)  1 class hour=45 min	Estimated Weekly Work Load out-of-class (projects, papers, homework)
Numerical Methods in Heat Transfer	David M. Christopher	F	2 classes per week	45*2=90	Up to 4 class hours
Advanced Combustion Theory	Yao Qiang, Li Shuiqing	S	3 classes per week	45*3=135	Up to 6 class hours
Radiative Heat Transfer in Participating Media: Theory and Application (erst ab 2018)	Zhou, Huaichun	F	2 classes per week	45*2=90	Up to 4 class hours
Gas Turbine: Key Technology and Application	Ren, Jing	F	2 classes per week	45*2=90	Up to 4 class hours
Principles of Pollutant Formation and Control in Coal Combustion	Zhuo, Yuqun	F	2 classes per week	45*2=90	Up to 4 class hours
Utilization Technology of Renewable Energy	Wang Shujuan	S	2 classes per week	45*2=90	Up to 4 class hours
Energy Strategy of Sustainable Development	Ma Linwei	S	2 classes per week	45*2=90	Up to 4 class hours
Optimization of Energy Systems	Liu Pei	F	2 classes per week	45*2=90	Up to 4 class hours
Data Processing in Thermal Engineering	Zhe Wang	S	2 classes per week	45*2=90	Up to 4 class hours
Flame and Gas Combustion	Hai Zhang	F	2 classes per week	45*2=90	Up to 4 class hours



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Electrochemical Energy Conversion and Storage	<b>Shi Yixiang</b>	<b>S</b>	<b>3 classes per week</b>	<b>45*3=135</b>	<b>Up to 6 class hours</b>
Combustion Chemistry	<b>You Xiaoqing</b>	<b>F</b>	<b>3 classes per week</b>	<b>45*3=135</b>	<b>Up to 6 class hours</b>
Combustion Physics I	<b>Chung K. Law</b>	<b>S</b>	<b>2 classes per week</b>	<b>45*2=90</b>	<b>Up to 4 class hours</b>
Combustion Physics II	<b>Chung K. Law</b>	<b>F</b>	<b>2 classes per week</b>	<b>45*2=90</b>	<b>Up to 4 class hours</b>
Physics of Gases and Non-equilibrium Phenomena	<b>Xu Haitao</b>	<b>F</b>	<b>3 classes per week</b>	<b>45*3=135</b>	<b>Up to 6 class hours</b>
Experimental Techniques for Physics of Fluids	<b>Sun Chao, Xu Haitao</b>	<b>S</b>	<b>3 classes per week</b>	<b>45*3=135</b>	<b>Up to 6 class hours</b>
Combustion Diagnostics	<b>Chao Xing</b>	<b>S</b>	<b>3 classes per week</b>	<b>45*3=135</b>	<b>Up to 6 class hours</b>