

# Foundation Course

# Main Course

1st Semester ST 2nd Semester WT

3rd Semester ST 4th Semester WT 5th Semester ST 6th Semester WT 7th Semester

<b>M1 - Applied Mathematics 1</b> Applied Mathematics 1 4 CP/ 4 HWS	<b>M7 - Applied Mathematics 2</b> Applied Mathematics 2 4 CP/ 4 HWS
<b>M2 - Physical Fundamentals 1</b> Thermodynamics 1 2 CP/ 2 HWS  Building Physics 1 2 CP/ 2 HWS	<b>M8 - Physical Fundamentals 2</b> Thermodynamics 2 2 CP/ 2 HWS  Building Physics 2 2 CP/ 3 HWS  Fluid Dynamics 2 CP/ 2 HWS
<b>M3 - Building Services 1</b> Building Services & Regenerative Energies 1 3 CP/ 4 HWS  Excursion 1CP	<b>M9 - Building Services 2</b> Building Services & Regenerative Energies 2 4 CP/ 3 HWS
<b>M4 - Building Engineering &amp; Design 1</b>  Building Engineering & Design 6 CP/ 5 HWS  Material Science 1 2 CP/ 2 HWS	<b>M10 - Simulation Tools</b>  Simulation Tools 1 4 CP/ 3 HWS
<b>M5 - Technical Drawing &amp; Design</b> Tech. Drawing & Descript. Geomet. 2 CP/ 2 HWS Presentation & Communication Techniques 2 CP/ 2 HWS	<b>M11 - Building Engineering &amp; Design</b> Building Engineering & Design 6 CP/ 5 HWS
<b>M6 - History of Architecture &amp; Theory of Construction</b> Hist. of Architecture & Culture 1 2 CP/ 2 HWS Theory of Construction 4 CP/ 4 HWS	<b>M12 - Structural Engineering &amp; Material Sc.</b> Structural Engineering 1 2 CP/ 2 HWS  Case Studies 1 2 CP/ (2 HWS)  Material Science 2 2 CP/ 2 HWS

<b>M13 - Lab &amp; Building Physics</b> Lab 1* 2 CP/ 2 HWS  Building Physics 3 2 CP/ 2 HWS	<b>M18 - Lab &amp; Facade Planning</b> Lab 2* 2 CP/ 2 HWS  Facade Planning 3 CP/ 3 HWS	<b>M22 - External Study Projekt 1</b>  Project Status 1 3 CP/ 1 HWS  External Project 1 9 CP	<b>M25 - Energy Efficient Urban Planning &amp; Infrastructure</b> Infrastructur, Traffic, Waste, Water 2 CP/ 2 HWS  Energy Efficient Urban Planning 4 CP/ 3 HWS	<b>M30 - Legal Context</b> Legal Context 2 CP/ 2 HWS  Academic Methods 2 CP/ 2 HWS
<b>M14 - Simulation Tools &amp; Light Planning 1</b> Simulation Tools 2* 4 CP/ 2 HWS  Light Planning 1 2 CP/ 2 HWS	<b>M19 - Simulation Tool &amp; Light Planning 2</b> Simulation Tool 3* 4 CP/ 2 HWS  Lichtplanung 2 2 CP/ 2 HWS	<b>M23 - External Study Projekt 2</b>  Project Status 2 3 CP/ 1 HWS  External Project 2 9 CP	<b>M26 - Simulation Tools Control Systems</b>  Measuring & Regulation Systems 2 CP/ 2 HWS  Simulation Tools 4 4 CP/ 2 HWS	<b>M31 - Advanced modules</b>  Advanced modules 12 CP/ >7 HWS
<b>M15 - Climate-adopted Construction &amp; Building Services</b> Building Serv. & Reg. Energies 3 2 CP/ 2 HWS Structural Engineering 2 2 CP/ 2 HWS Climate-adopted Construction 2 CP/ 2 HWS	<b>M20 - Integrated Planning 2</b>  Integrated Planning 2* 11 CP/ 6 HWS  Case Studies 2 2 CP/ (2 HWS)		<b>M27 - Building Analysis &amp; Certification Systems</b> Case Studies 3 4 CP/ 4 HWS  Certification System 4 CP/ 3 HWS	
<b>M16 - Integrated Planning 1</b>  Integrated Planning 1* 10 CP/ 5 HWS	<b>M21 - Theory of Construction &amp; Refurbishment</b> Building Refurbishment & Preservation 1 4 CP/ 3 HWS  Theory of Construction 2 2 CP/ 2 HWS	<b>M24 - Organization &amp; Project Management</b> Fundamentals of Construction Organization & Project Management 4 CP/ 2 HWS  Economical Fundamentals 2 CP/ 2 HWS	<b>M28 - Building Refurbishment &amp; Energy Efficiency in Buildings</b> Building Refurbishment & Preservation 4 CP/ 4 HWS  Energy Efficiency (DIN 18599) 2 CP/ 2 HWS	<b>M32 - Bachelor Thesis (Dissertation)</b>  Dissertation 12 CP  Dissertation Seminar 2 CP/ 1 HWS
<b>M17 - History of Architecture &amp; Foreign Language</b> Hist. of Architecture & Culture 2 2 CP/ 2 HWS Foreign Language 2 CP/ 2 HWS		<b>M29 - History of Architecture, Ethics</b> Hist. of Architecture & Culture 3 2 CP/ 2 HWS  Philosophy und Ethics 2 CP/ 2 HWS		

## Modules of KlimaEngineering Course Hochschule für Technik Stuttgart

ST: Summer Term  
 WT: Winter Term  
 HWS: Hours per week during semester time

\* Course might be split  
 Status 03.03.2016