

## Luleå tekniska universitet (LTU), Luleå, Sweden,

### 1<sup>st</sup> Year (1<sup>st</sup> and 2<sup>nd</sup> Semester)

Luleå tekniska universitet (LTU) (Note: 4 teaching periods during the year: ◐ ◑ ◒ ◓)	Credit Points	FS 1 (WS)	FS 2 (SS)
<b>MI - Structure of materials</b>			
MPM033 – Materials Science & Engineering (Antti)	7,5	◐	
MPC001 – Materials Techn. & Materials Selection (Wallström)	7,5	◑	
KGK019 – Physical Chemistry for EEIGM (Antzutkin)	7,5	◑	
MTF132 – Solid State Physics M (Lehto)	7,5	◐	
MTF106 – Solid State Physics (Weber)	7,5		◑
KGK020 – Inorganic Chemistry (Gunneriusson)	7,5		◐
MPM036 – Phase Transformations (Lindbäck)	7,5	◑	
<b>Minimal Credits out of MI</b>	<b>min. 7,5</b>		
<b>II – Characterisation and Modeling of Materials</b>			
MTM113 – Continuum Mechanics (Finnström)	7,5		◑
MPC003 – Materials Modeling (Joffe)	7,5		◐
MPC004 – Advanced Materials Char. Techniques (Lindbäck)	7,5		◑
<b>Minimal Credits out of MII</b>	<b>min. 7,5</b>		
<b>III - Properties of Materials</b>			
MPC002 – Deformation and Fracture (Odén)	7,5	◐	
MPC006 – Aerospace Materials (Varna)	7,5		◑
MPC007 – Nanostructured Materials and Nanotechnol. (Odén)	7,5		◑
MPP035 – Composite Materials (Varna)	7,5		◑
<b>Minimal Credits out of MIII</b>	<b>min. 7,5</b>		
<b>IV - Materials technologies</b>			
MPC005 – Surface Engineering (Vuorinen)	7,5		◐
MPR053 – Non Traditional Metal Working (Sarady)	7,5		◐
MPM040 – Materials Selection and Ecodesign (Vuorinen)	7,5		◑
<b>Minimal Credits out of MIV</b>	<b>min. 7,5</b>		
Seminars: Integrated into courses			
<b>Languages</b>			
KSS658 - Swedish language and culture (non Scandinavian students only)	3	◑◒	◑◒
Second language (French, German or Spanish)	7,5	◑◒	◑◒
<b>Required Credits out of Languages</b>	<b>Min. 7,5</b>		
<b>Total required</b>	<b>60</b>		

**Luleå tekniska universitet (LTU), Luleå, Sweden,****2<sup>nd</sup> Year (3<sup>rd</sup> and 4<sup>th</sup> Semester)**

<b>Luleå tekniska universitet (LTU)</b> <i>(Note: 4 teaching periods during the year: ◐ ◑ ◒ ◓)</i>	<b>Credit Points</b>	<b>FS 3 (WS)</b>	<b>FS 4 (SS)</b>
MPM041 – <b>Project Work</b> (Odén / Varna)	<b>27</b>	●	
<b>Languages</b>			
KSS658 - Swedish language and culture	3	◐ ◑	◐ ◑
KSS745 – Spoken and written English for exchange students (option)	(7,5)	◐	
KSS064 – English for professional purposes (option)	(7,5)	◐ ◑	◒
<b>Required Credits out of Languages</b>	<b>min. 3</b>		
<b>Master Thesis</b>	<b>30</b>		●
<b>Total required</b>	<b>60</b>		