Model Curriculum Master Mathematical Physics with Focus on Gravitation and Differential Geometry

1st Sem.	**12-PHY-MPMP1** (10 CP) Mathematical Physics 1	**12-PHY-MPMP2** (10 CP) Mathematical Physics 2	**12-PHY-MWPQFG1** (10 CP) General Relativity
2nd Sem.	**12-PHY-MWPQFG2** (10 CP) Cosmology or **12-PHY-MWPQFG3** (10 CP) Quantum Field Theory on Curved Space Times	**10-MAT-MPDG1** (10 CP) Advanced Differential Geometry I	**10-MAT-MPDS1** (10 CP) Dynamical Systems or **10-MAT-MPAN1** (10 CP) Advanced Analysis – PDE
3rd Sem.	**10-MAT-MPDG2** (10 CP) Advanced Differential Geometry II	**10-MAT-MPHSG** (5 CP) New Developments in Geometry or **12-PHY-MWPHS4** (5 CP) Quantum Field Theory and Gravity	**12-PHY-MPFS** (15 CP) Research Practice
4th Sem.	**Master's Thesis** (30 CP)		