Lecture Week No. 1

Experimental Lectures	Lecture 1: GWs and their effect **Danzmann**	Lecture 2: Modulation **Danzmann**	Lecture 3: Interferometer and DC readout **Harald Lück**	Lecture 4: Fabry-Perot, Pound-Drever-Hall, EOM **Gerhard Heinzel**	Lecture 5: Interferometer noise sources **Harald Lück**	
General Relativity	Lecture 1: Tensors and Fluids in Special Relativity **Schutz**	Lecture 2: Curved coordinates, Equivalence principle **Babak**	Lecture 3: Tensors and physics in curved spacetime **Babak**	Lecture 4: Einstein equations, initial value formulation **Babak**		
Numerical Relativity	Lecture 1: Modelling compact objects **Bentivegna**	Lecture 2: Numerical methods **Hinder**	Lecture 3: 3+1 decomposition and formulations of Einstein's equation **Hinder**	Lecture 4: Initial data, boundary conditions, coordinate conditions **Bentivegna**	Lecture 5: Extracting physics from a spacetime **Bentivegna**	Lecture 6: Applications: compact-object binaries **Hinder**