

2020 Fall 1 (Oct 5-Nov 13, 2020)

	Mon	Tue	Wed	Thu	Frid
8:45 AM	<i>Introduction to Evolutionary Biology (Cremer/Vicoso)</i> <i>Mesoscopic physics and quantum info of semiconductor devices</i> D-modules	IST Core project	<i>Introduction to Evolutionary Biology (Cremer/Vicoso)</i> <i>Mesoscopic physics and quantum info of semiconductor devices</i> D-modules	IST Core project	Core Components
9:00 AM					
9:15 AM					
9:30 AM					
9:45 AM					
10:00 AM	<i>Introduction to Neuroscience</i> <i>Selected Topics in Analysis and Applications</i> <i>Statistical Machine Learning (Lampert)</i>	<i>Optimal transport (Maas)</i> <i>Collective Phenomena in Condensed Matter Physics (Alpichsev)</i>	<i>Introduction to Neuroscience</i> <i>Selected Topics in Analysis and Applications</i> Statistical Machine Learning (Lampert)	<i>Optimal transport (Maas)</i> <i>Collective Phenomena in Condensed Matter Physics (Alpichsev)</i>	rec. Core Components
10:15 AM					
10:30 AM					
10:45 AM					
11:00 AM					
11:15 AM	rec. <i>Introduction to Evolutionary Biology</i> rec. <i>Mesoscopic physics</i> rec. <i>D-modules</i>	rec. <i>Optimal transport</i> rec. <i>Collective Phenomena</i>	rec. <i>Introduction to Neuroscience</i> rec. <i>Stat. Machine Learning</i> rec. <i>Selected Topics - moved to Mondays</i>	rec. <i>Core project</i>	
11:30 AM					
11:45 AM					
12:00 PM					
12:15 PM					
12:30 PM	<i>Introduction to Higgs bundles on Riemann surfaces (Hausel)</i> <i>Methods of Data Analysis</i>	<i>Mathematics Refresher (Draganov) CANCELLED</i> <i>Materials for Energy Conversion (Ibanez)</i>	<i>Introduction to Higgs bundles on Riemann surfaces (Hausel)</i> <i>Methods of Data Analysis</i> <i>Introduction to fluid dynamics (Hof)</i>	<i>Mathematics Refresher (Draganov) CANCELLED</i> <i>Materials for Energy Conversion (Ibaez)</i>	<i>Introduction to fluid dynamics (Hof)</i>
12:45 PM					
1:00 PM					
1:15 PM					
1:30 PM					
1:45 PM	<i>Tech Transfer workshop (Entrepreneurship Lab) - MOVED to TUESDAYS 3:00-4:40pm</i> <i>Introduction to the thermodynamics of information CANCELLED</i>	<i>Maths for quantitative life scientists: Linear Algebra (Virosztek)</i> <i>Intro to Python part 2 (Miguel)</i> Intro to Adv Methods in Neurosc	rec. <i>Introduction to Higgs bundles</i> <i>Introduction to the thermodynamics of information CANCELLED</i>	<i>Maths for quantitative life scientists: Linear Algebra (Virosztek)</i> <i>Intro to Python part 2 (Miguel)</i> Intro to Adv Methods in Neurosc	rec. <i>Introduction to fluid dynamics</i>
2:00 PM					
2:15 PM					
2:30 PM					
2:45 PM					
3:00 PM	Colloquium	rec. <i>Maths for quantitative life scientists</i> rec. <i>Intro to Python part 2 (Miguel)</i> rec. <i>Materials for Energy Conversion</i>	rec. <i>Methods of data Analysis</i> rec. <i>Introduction to the thermodynamics</i>	rec. <i>Mathematics Refresher</i> rec. <i>Intro to Adv Methods in Neurosc</i>	
3:15 PM					
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3:45 PM					
4:00 PM					
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4:30 PM					
4:45 PM					

2020/21 Fall 2 (Nov 23, 2020-Jan 22, 2021)

	Mon	Tue	Wed	Thu	Frid
8:45 AM	Statistics for Life Sciences (Cremer)	IST Core project	Statistics for Life Sciences (Cremer)	IST Core project	Core Components
9:00 AM					
9:15 AM					
9:30 AM					
9:45 AM					
10:00 AM	Introduction to Neuroscience	Collective Phenomena in Condensed Matter Physics (Alpichsev)	Introduction to Neuroscience	Collective Phenomena in Condensed Matter Physics (Alpichsev)	rec. Core Components
10:15 AM					
10:30 AM					
10:45 AM					
11:00 AM					
11:15 AM	<i>rec. Statistics for Life Sciences (Cremer)</i>	<i>rec. Collective Phenomena</i>	<i>rec. Introduction to Neuroscience</i>	<i>rec. IST core project</i>	
11:30 AM					
11:45 AM					
12:00 PM					
12:15 PM					
12:30 PM	<i>rec. D-modules</i>	<i>rec. Maths for quantitative life scientists</i>	<i>rec. Mesoscopic physics</i>	<i>rec. Selecte d Topics</i>	
12:45 PM					
1:00 PM					
1:15 PM					
1:30 PM					
1:45 PM	Electron Microsc.	Mathematics of quantum many-body systems	Biophotonic High-Resolution optical (fluorescence)	Concentration of Measure (Lampert, Maas)	
2:00 PM					
2:15 PM					
2:30 PM					
2:45 PM					
3:00 PM	Tech Transfer workshop (Entrepreneurship Lab) MOVED TO TUESDAYS 3:00-4:40pm	<i>rec. Mathematics of quantum many-</i>	Information Theory	Classics in Evolutionary Biology	Mechanical Engineering for scientists
3:15 PM					
3:30 PM					
3:45 PM					
4:00 PM					
4:15 PM	Colloquium	<i>rec. Information Theory</i>	<i>rec. Classics in Evolutionary Biology</i>	<i>rec. Mechanical Engineering for scientists</i>	
4:30 PM					
4:45 PM					
5:00 PM					
5:15 PM					
5:30 PM	Advanced Data Analysis with R(Stopp, Tasciyan)	<i>rec. Advanced Data Analysis with R(Stopp, Tasciyan)</i>	*Information Theory	*Classics in Evolutionary Biology	*Mechanical Engineering for scientists
5:45 PM					
6:00 PM					

2021 Spring 1 (March 1- Apr 26, 2021)

	Mon	Tue	Wed	Thu	Frid						
8:45 AM											
9:00 AM	Biology track core course (Loose et al.)	Mathematics of quantum many-body systems (Seiringer)	Neuroscience track core course (Jonas, Csicsvari, Jösch)	Population Genetics - the basics (Barton)	Core Components						
9:15 AM											
9:30 AM											
9:45 AM											
10:00 AM											
10:15 AM					Data Clinic						
10:30 AM	Synthetic and Systems Biology (Guet et al.)	Random Matrices (Erdős)	Data Science track core course (Tkacik et al.)	Mathematics track core course		Virus-mediated neuronal tracing and optogenetic	Advanced topics in electrophysiology				
10:45 AM											
11:00 AM											
11:15 AM											
11:30 AM											
11:45 AM											
12:00 PM	rec. Random Matrices	rec. Biology TCC	rec. Neuroscience TCC	rec. Population Genetics	rec. Mathematics of quantum	rec. SynSys Bio	rec. DSSC TCC	rec. Math TCC	rec. Virus-mediated	rec. Advanced topics in electrophysiology	rec. Core Components
12:15 PM											
12:30 PM											
12:45 PM											
1:00 PM											
1:15 PM											
1:30 PM	Physics track core course (Serbyn/Lemeshko/Hannezo)	Bioinformatics 1 (Vicoso)	Selected topics in PDEs	CS track core course (Chatterjee et al.)	Introduction to data visualization	Physics track core course (Serbyn/Lemeshko/Hannezo)	Bioinformatics 1 (Vicoso)	Selected topics in PDEs	CS track core course (Chatterjee et al.)	Introduction to data visualization	
1:45 PM											
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3:00 PM	Quantum optics with atoms and circuits	An Introduction to Diophantine Geometry	Applications of Stochastic Processes	Advanced Structural Biology (Sazanov et al.)	Algebraic Meth. in Combinatorics (Wagner)	Quantum optics with atoms and circuits	An Introduction to Diophantine Geometry	Applications of Stochastic Processes	Advanced Structural Biology (Sazanov et al.)	Algebraic Meth. in Combinatorics (Wagner)	
3:15 PM											
3:30 PM											
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4:00 PM											
4:15 PM	Colloquium	rec. Introduction to Diophantine	rec. Applications of Stochastic	rec. Advanced Structural	rec. Algebraic Meth. in Combinatorics	rec. Quantum optics	rec. Selected topics in PDEs	rec. Phy TCC	rec. Bioinformatics	rec. CS track core course	rec. Introduction to data visualization
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5:00 PM											
5:30 PM											

2021 Spring 2 (May 3-Jun 18, 2021)

	Mon	Tue	Wed	Thu	Frid							
8:45 AM	Biology track core course (Loose et al.)	Neuroscience track core course (Jonas, Csicsvari, Jösch)	Computational Physics (Wojtan)	Biology track core course (Loose et al.)	Neuroscience track core course (Jonas, Csicsvari, Jösch)	Computational Physics (Wojtan)	Core Components					
9:00 AM												
9:15 AM												
9:30 AM												
9:45 AM												
10:00 AM	Data Science track core course (Lampert et al.)	Experimental methods in condensed matter physics	Probabilistic Graphical Models	Data Science track core course (Lampert et al.)	Experimental methods in condensed matter physics	Probabilistic Graphical Models	Data Clinic					
10:15 AM												
10:30 AM												
10:45 AM												
11:00 AM												
11:15 AM	rec. Biology TCC	rec. Neuroscience TCC	rec. Computational Physics	rec. Research Data Handling: Take Good Care of Your Data	rec. Data Science track core course	rec. Probabilistic Graphical Models	rec. Experimental methods in	rec. Core Components				
11:30 AM												
11:45 AM												
12:00 PM												
12:15 PM												
12:30 PM	Physics track core course (Serbyn/Lemeshko/Hannezo)	Bioinformatics 2 (Vicoso)	Formal Methods	CS track core course (Chatterjee et al.)	Plant Cell Biology (Benková, Friml)	Research Data Handling: Take Good Care of Your Data	Physics track core course (Serbyn/Lemeshko/Hannezo)	Bioinformatics 2 (Vicoso)	Formal Methods	CS track core course (Chatterjee et al.)	Plant Cell Biology (Benková, Friml)	Research Data Handling: Take Good Care of Your Data
1:00 PM												
1:15 PM												
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1:45 PM												
2:00 PM	Quantum optics with atoms and circuits	An Introduction to Diophantine Geometry	rec. Formal Methods	Advanced Structural Biology (Sazanov et al.)	Statistical Physics Topics in Soft Matter	Practical Cryogenics for Condensed Matter Physics	Quantum optics with atoms and circuits	An Introduction to Diophantine Geometry	rec. Bioinformatics	Advanced Structural Biology (Sazanov et al.)	Statistical Physics Topics in Soft Matter	Practical Cryogenics for Condensed Matter Physics
2:15 PM												
2:30 PM												
2:45 PM												
3:00 PM												
3:15 PM	Colloquium	rec. Plant Biology Benková / Friml	rec. Structural Biology	rec. Practical Cryogenics for	rec. Quantum optics with atoms and circuits	rec. Intro to Diophantine Geometry	rec. CS track core course	rec. Statistical Physics Topics in	rec. Practical Cryogenics for			
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