Code	Course unit name	Scope (cr)	Teaching periods	Teaching language(s)	Mode of teaching	Open to exchange students	Open university teaching	Open to students of other degree programmes
BS4001A	Introduction to Modern Science	2 cr	1	English	Contact teaching	No	No	No
BS4001B	Modern Science Working Groups	5 cr	2	English	Contact teaching	No	No	No
BS4005	Seminar	4 cr	lectures 1, seminar presentation 2 or 4	English	Contact teaching	No	No	No
MATH&STA	Т -	-	-	-	-	-	-	-
BSMA1001	Linear algebra and complex numbers	5 cr	1	English	Contact teaching	Yes	Yes	No
BSMA1002	Calculus IA: Limits and differentiation	5 cr	2	English	Contact teaching	Yes	Yes	Yes
BSMA1003	Calculus IB: Integration	5 cr	3	English	Contact teaching	Yes	Yes	Yes
BSMA1004	Advanced calculus	5 cr	3	English	Contact teaching	Yes	Yes	Yes
BSMA1006	Probability Calculus I	5 cr	3	English	Contact teaching	Yes	Yes	Yes
BSMA2001	Linear algebra and matrices II	5 cr	4	English	Contact teaching	Yes	Yes	Yes
BSMA2002	Introduction to vector analysis	5 cr	1	English	Contact teaching	Yes	No	Yes
BSMA2003	Measure and integration	5 cr	3	English	Contact teaching	Yes	No	Yes
BSMA2007	Differential equations	5 cr	4	English	Contact teaching	Yes	Yes	Yes
BSMA2010	Series	5 cr	4	English	Online teaching	Yes	No	Yes
CS&DS	-	-	-	-	-	-	-	-
BSCS1001	Introduction to Programming	5 cr	Lectures in period 1, other times on own pace First lecture in period	English	Distance teaching (time- bound) or online teaching	Yes	Yes	No
BSCS1001	Introduction to Drogramming	F or	3, other times on own	Fnalish	Distance teaching (time-	Vac	Vec	Vac
BSCS1001	Introduction to Programming	5 cr	pace Lectures in period 2, other times on own	English	bound) or online teaching Distance teaching (time-	Yes	Yes	Yes
BSCS1002	Advanced Course in Programming	5 cr	pace First lecture in period 4, other times on own	English	bound) or online teaching Distance teaching (time-	Yes	Yes	No
BSCS1002	Advanced Course in Programming	5 cr	pace	English	bound) or online teaching	Yes	Yes	Yes
BSCS10031	Data structures and Algorithms I	5 cr	3	English	Online teaching	Yes	Yes	Yes
BSCS1005	Introduction to Databases	5 cr	1	English	Blended teaching (includes both contact and distance teaching)	Yes	Yes	Yes
					Blended teaching (includes both contact and distance			
BSCS1006	Computer and Internet	5 cr	3-4	English	teaching)	Yes	Yes	Yes

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SC22004Models of Computation5 or4EnglishContract teachingYesYesYesSC2006Data structures and Algorithms and Al Lab5 or4EnglishContract teachingYesNoYesSC22012Algorithms and Al Lab4 or12EnglishBended teaching (Includes both context and distance both context and and blabNoNoNoSC2012Algorithms and Al Lab4	BSCS2002	Computing and Society	Teaching	g with codes TKT200151 ar	nd TKT200152	see the teaching programme of Ba	chelor's program	mme in Computer S	cience
SC32000Data structures and Algorithms in Programming for PerformanceS or4EnglishContact taching Contact tachingYesNoYesSC32012Algorithms and Al Lab4 cr12EnglishContact taching both contact and distance both contact and distance both contact and distance both contact and distanceNoNoNoSC32012Algorithms and Al Lab4 cr2EnglishIteaching) both contact and distanceNoNoNoSC32012Algorithms and Al Lab4 cr2EnglishIteaching)NoNoNoSC32012Algorithms and Al Lab4 cr3EnglishIteaching)NoNoNoSC32012Algorithms and Al Lab4 cr4EnglishIteaching)NoNoNoSC32012Algorithms and Al Lab4 cr4EnglishIteaching)NoNoNoNoSC32012Algorithms and Al Lab4 crMay intensive periodEnglishIteaching)NoNoNoNoSC32012Algorithms and Al Lab4 crMay intensive periodEnglishOnline teachingNoNoNoNoSC32012Algorithms and Al Lab5 cr1.4EnglishOnline teachingNoNoNoNoSC32012Algorithms and Al Lab5 cr1.4EnglishOnline teachingNoNoNoNoSC32012Algorithms and Al Lab5 cr1.4Engl	BSCS2004								
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SCS2012 Algorithms and Al Lab 4 cr 1 English No No No No SCS2012 Algorithms and Al Lab 4 cr 2 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 2 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 3 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 3 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 4 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 4 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr summer English Contact teaching No No No SCS2012 Algorithms and Al Lab 4 cr summer English Contact teaching No No No SCS2012 Stat Analysis with Hython 5 cr 7,3,4 English Contact teaching No No Yes SPH1001 Interactions an	BSCS2011	Programming for Performance	5 cr	4	English	Contact teaching	Yes	No	Yes
SCS2012 Algorithms and Al Lab 4 cr 1 English No No No No SCS2012 Algorithms and Al Lab 4 cr 2 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 2 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 3 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 3 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 4 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr 4 English teaching) No No No SCS2012 Algorithms and Al Lab 4 cr summer English Contact teaching No No No SCS2012 Algorithms and Al Lab 4 cr summer English Contact teaching No No No SCS2012 Stat Analysis with Hython 5 cr 7,3,4 English Contact teaching No No Yes SPH1001 Interactions an						Blended teaching (includes			
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SCS2012 Algorithms and Al Lab 4 cr summer English teaching) No No No SCS2013 Networking Lab 4 cr May intensive period English Contact teaching No No No No SCS2013 Opporter Organization 5 cr 1-4 English Online teaching No No No Yes SCS2005 Introduction to Networking - 1-4 English Online teaching No No No Yes SCS2005 Data Analysis with Python -						0,			
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SCS2015 HYSICSData Analysis with Python5 cr2, 3, 4English oOnline teachingYesYesYesYesHYSICS<	BSCS1004	Computer Organization	5 cr	1-4	English	Online teaching	No	No	Yes
HYSICSSPH1001Interactions and bodies5 cr3S cr3EnglishContact teachingYes	BSCS2005	Introduction to Networking		1-4	English	Online teaching	No	No	Yes
SPH1001Interactions and bodies5 cr3EnglishContact teachingYesYesYesYesYesSPH1002Matter and interactions5 cr4EnglishContact teachingYesYesYesYesSPH1003Electromagnetism5 cr1EnglishContact teachingYesYesYesYesSPH1004Radiation fields and photons5 cr2EnglishContact teachingYesYesYesYesSPH2001Basics of thermophysics5 cr3EnglishContact teachingYesNoYesSPH2002Thermodynamic potentials5 cr4EnglishContact teachingYesNoYesSPH2003Physical basis of computing5 cr2EnglishContact teachingYesNoYesSPH2004Introduction to quantum physics5 cr2EnglishContact teachingYesNoYesSPH2005Applications of quantum physics I: atoms and molecules5 cr2EnglishContact teaching (includes both contact and distance teaching)YesYesYesSPH2006Applications of quantum physics II: solid state and elementary particles5 cr4EnglishContact teachingYesNoYesSPH2006Applications of quantum physics II: solid state and elementary particles5 cr4EnglishContact teachingYesNoYesSPH2006Applications of quantum physics II: solid state	BSCS2015	Data Analysis with Python	5 cr	2, 3, 4	English	Online teaching	Yes	Yes	Yes
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SPH2003 Physical basis of computing 5 cr 2 English teaching) Yes No Yes SPH2004 Introduction to quantum physics 5 cr 2 English Contact teaching Yes Yes Yes Yes SPH2005 Applications of quantum physics I: atoms and molecules 5 cr 3 English both contact and distance teaching (includes Yes Yes Yes SPH2006 Applications of quantum physics II: solid state and elementary particles 5 cr 4 English Contact teaching Yes No Yes SPH2006 Applications of quantum physics II: solid state and elementary particles 5 cr 4 English Contact teaching Yes No Yes	BSPH2001	Basics of thermophysics	5 cr	3	English	Contact teaching	Yes	No	Yes
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Applications of quantum physics I: atoms and molecules 5 cr 3 English both contact and distance yes teaching) No SPH2006 Applications of quantum physics II: solid state and elementary particles 5 cr 3 English both contact and distance yes teaching) Yes Yes	BSPH2004	Introduction to quantum physics	5 cr	2	English	Contact teaching	Yes	Yes	Yes
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and elementary particles 5 cr 4 English Contact teaching Yes No Yes		molecules				teaching)			Yes
and elementary particles Yes	BSPH2006	Applications of quantum physics II: solid state	5 cr	Л	English	Contact teaching	Vec	No	
SPH2008 Introduction to Relativity Theory 5 cr 1 English Contact teaching Yes No Yes	53F112000	and elementary particles	5.01	+	-		165	NU	Yes
	BSPH2008	Introduction to Relativity Theory	5 cr	1	English	Contact teaching	Yes	No	Yes

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Basics of Astronomy I	5 cr	1	English	Contact teaching	Yes	Yes	Yes
Basics of Astronomy II	5 cr	2	English	Contact teaching	Yes	Yes	Yes
Introduction to Solid Earth Geophysics	5 cr	3	English	Contact teaching	Yes	No	Yes
		from september					
Sustainability in Space	2 cr	onwards	English	Online teaching	Yes	No	Yes
-	-	-	-	-	-	-	-
Atoms, Molecules and Interactions	5 cr	3	English	Contact teaching	Yes	Yes	Yes
Energy, Reactivity and Chemical Equilibrium	5 cr	4	English	Contact teaching	Yes	Yes	Yes
Organic Chemistry 1	5 cr	3	English	Contact teaching	Yes	Yes	Yes
Inorganic Chemistry	5 cr	2	English	Contact teaching	Yes	Yes	Yes
				Blended teaching (includes			
				both contact and distance			
Organic Chemistry 2	5 cr	2	English	teaching)	Yes	No	Yes
Posolving structure of moloculos	5 cr	1	English	Contact teaching	Voc	No	Yes
	Basics of Astronomy II Introduction to Solid Earth Geophysics Sustainability in Space Atoms, Molecules and Interactions Energy, Reactivity and Chemical Equilibrium Organic Chemistry 1 Inorganic Chemistry	Basics of Astronomy II 5 cr Introduction to Solid Earth Geophysics 5 cr Sustainability in Space 2 cr 	Basics of Astronomy II 5 cr 2 Introduction to Solid Earth Geophysics 5 cr 3 From september Sustainability in Space 2 cr onwards Atoms, Molecules and Interactions 5 cr 3 Energy, Reactivity and Chemical Equilibrium 5 cr 4 Organic Chemistry 1 5 cr 3 Inorganic Chemistry 2 5 cr 2	Basics of Astronomy II 5 cr 2 English Introduction to Solid Earth Geophysics 5 cr 3 English from september from september English Sustainability in Space 2 cr onwards English Atoms, Molecules and Interactions 5 cr 3 English Energy, Reactivity and Chemical Equilibrium 5 cr 3 English Organic Chemistry 1 5 cr 2 English Organic Chemistry 2 5 cr 2 English	Basics of Astronomy II5 cr2EnglishContact teachingIntroduction to Solid Earth Geophysics5 cr3EnglishContact teachingSustainability in Space2 cronwardsEnglishOnline teachingAtoms, Molecules and Interactions5 cr3EnglishContact teachingEnergy, Reactivity and Chemical Equilibrium5 cr3EnglishContact teachingOrganic Chemistry 15 cr3EnglishContact teachingInorganic Chemistry 25 cr2EnglishContact teachingOrganic Chemistry 25 cr2EnglishContact teaching	Basics of Astronomy II5 cr2EnglishContact teachingYesIntroduction to Solid Earth Geophysics5 cr3EnglishContact teachingYesSustainability in Space2 cronwardsEnglishOnline teachingYesAtoms, Molecules and Interactions5 cr3EnglishContact teachingYesEnergy, Reactivity and Chemical Equilibrium5 cr4EnglishContact teachingYesOrganic Chemistry 15 cr3EnglishContact teachingYesInorganic Chemistry 25 cr2EnglishContact teachingYesDraganic Chemistry 25 cr2EnglishContact teachingYesStr2EnglishContact teachingYesStr3EnglishContact teachingYesStr3EnglishContact teachingYesStr3EnglishContact teachingYesStr3EnglishContact teachingYesStr3EnglishContact teachingYesStr2EnglishContact teachingYesStr2EnglishContact teachingYesStr3EnglishContact teachingYesStr3Str3StrYesStr3Str3StrYesStr3StrStrYesYesStr3StrStrYes <t< td=""><td>Basics of Astronomy II5 cr2EnglishContact teachingYesYesIntroduction to Solid Earth Geophysics5 cr3EnglishContact teachingYesNoSustainability in Space2 cronwardsEnglishOnline teachingYesNoAtoms, Molecules and Interactions5 cr3EnglishContact teachingYesYesEnergy, Reactivity and Chemical Equilibrium5 cr3EnglishContact teachingYesYesOrganic Chemistry 15 cr3EnglishContact teachingYesYesYesInorganic Chemistry 25 cr2EnglishContact teachingYesYesYesOrganic Chemistry 25 cr2Englishteaching)YesNoYes</td></t<>	Basics of Astronomy II5 cr2EnglishContact teachingYesYesIntroduction to Solid Earth Geophysics5 cr3EnglishContact teachingYesNoSustainability in Space2 cronwardsEnglishOnline teachingYesNoAtoms, Molecules and Interactions5 cr3EnglishContact teachingYesYesEnergy, Reactivity and Chemical Equilibrium5 cr3EnglishContact teachingYesYesOrganic Chemistry 15 cr3EnglishContact teachingYesYesYesInorganic Chemistry 25 cr2EnglishContact teachingYesYesYesOrganic Chemistry 25 cr2Englishteaching)YesNoYes