IIS (deemed to be UNIVERSITY)
SFS, GURUKUL MARG, MANSAROVAR, JAIPUR

Integration of Spoken Tutorial, IIT Bombay with
IISU courses
Session 2020-21(Even)

Contents

Proposed Spoken Tutorial Courses for integration with IISU syllabus (Even Semester, 2020-21)

Proposed ST course	Total Duration (hrs)	Title of the IISU paper that can be mapped with the Course	Paper Type	Mapping Percentage	Assessment Type
Department of CS & IT					
C	3.20 hrs	CBCA203: Advanced Programming in C	Theory	80%	CA
Java	6.90 hrs	CBCA405: Object Oriented Programming Through JAVA	Theory	60%	SEE
Linux	3.40 hrs	CBCA 602: Linux Lab	Practical	60%	SEE
PHP and MySQL	7.05 hrs	CBCA603: Web Application Development-III	Theory	60%	SEE
• C++ • Advanced C++	4.25 hrs	CAI401: Object Oriented Programming through C++	Theory	100%	CA and SEE
Department of Physics					
C++	3.48 hrs	PHY222: Programming with C++ and applications of MATLAB	Theory	30%	CA
Department of Chemistry					
ChemCollective VLabs	2.40 hrs	CHY204: Lab Course	Practical	20%	Component of CA

IISU Syllabi and Mapping of Spoken Tutorial

Department of CS & IT

C/CBCA203: Advanced Programming in C (Mapping 80%)

Week	Duration of Video(s) (min)	Additional hours allotted				Continuous Assessment			Semester-end Examination
		Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/Week	Additional classes allotted for rest of the syllabi	IISU-30 marks			ST-70 marks
		(hrs/2 weeks)	(hrs/2 weeks)	(hrs/2 weeks)		CA Test	Assignment	Attendance	
Week 1-2	11+11+14=36	2	3	5.5	Additional topics of theory will be covered in practical classes	15 marks	10 Marks	5 marks	• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 3-4	10+9+13=32	2	3	5.5					
Week 5-6	10+11+9=30	2	3	5.5					
Week 7-8	10+8+11=29	2	3	5.5					
Week 9-10	9+8+12=29	2	3	5.5					
Week 11-12	8+6+6=20	2	3	5.5					
Week 13-14	8+7=15	2	3	5.25					
Total Duration Hrs. (Video)	**3.20**		**Total Hrs for the Completion of Course**	**39 hrs (approx.)**					

Java/CBCA405: Object Oriented Programming Through JAVA (Mapping 60%)

Week	Duration of Video(s) (min)	Additional hours allotted				Continuous Assessment			Semester-end Examination
		Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/ Week	Additional classes allotted for rest of the syllabi and lab practice	IISU-30 marks			ST-70 marks
						CA Test	File	Attendance	
Week 1	V1 to V5=43	1	1.5	3.25					• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 2	V6 to V11=56	1	1.5	3.5					
Week 3	V12 to V16=51	1	1.5	3.5					
Week 4	V17 to V20=34	1	1.5	3.0					
Week 5	V21 to V23=27	1	1.5	3.0					
Week 6	V24 to V26=32	1	1.5	3.0	Additional topics of theory will be covered in practical classes	15 marks*	5 Marks	5 marks	
Week 7	V27 to V29=33	1	1.5	3.0					
Week 8	V30 to V32=30	1	1.5	3.0					
Week 9	V33 to V35=29	1	1.5	3.0					
Week 10	V36 to V38=32	1	1.5	3.0					
Week 11	V39 to V40=21	1	1.5	3.0					
Week 12	V41 to V43=26	1	1.5	3.0					
Total Duration Hrs. (Video)	6.90		Total Hrs for the Completion of Course	38 hrs (approx.)					

*CA test will be given on the remaining 40% advanced part and conducted later at the end of the course.

Linux/CBCA 602: Linux Lab (Mapping 60%)

Week	Duration of Video(s) (min)	Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/ Week	Additional classes allotted for rest of the syllabi and lab practice	IISU-30 marks			ST-70 marks
						CA Test	File	Attendance	
Week 1	13+10+11=34	1	1.5	4.0	3 class/ week	15 marks*	10 Marks	5 marks	• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 2	12+13=25	1	1.5	4.0					
Week 3	15	1	1.5	4.0					
Week 4	23	1	1.5	4.0					
Week 5	16+14=30	1	1.5	4.0					
Week 6	11+15=26	1	1.5	4.0					
Week 7	13+12=25	1	1.5	4.0					
Week 8	9+9=18	1	1.5	4.0					
Week 9	11	1	1.5	4.0					
Week 10	9	1	1.5	4.0					
Total Duration Hrs. (Video)	3.40		Total Hrs for the Completion of Course	40 hrs (approx.)					

*CA test will be given on the remaining 40% advanced part and conducted later at the end of the course.

PHP & MySQL / CBCA603: Web Application Development-III (Mapping 60%)

Week	Duration of Video(s) (min)	Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/ Week	Additional classes allotted for rest of the syllabi and lab practice	Continuous Assessment IISU-30 marks			Semester-end Examination ST-70 marks
						CA Test	Attendance	Viva	
Week 1	V1 to V9=55	1	3	5.0					• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 2	V10 to V15=35	1	3	4.5					
Week 3	V16 to V20=31	1	3	4.5					
Week 4	V21 to V24=27	1	3	4.5					
Week 5	V25 to V28=35	1	3	4.5					
Week 6	V29 to V32=34	1	3	4.5	Additional topics of theory will be covered in practical classes	15 marks*	5 marks	10 marks	
Week 7	V33 to V37=45	1	3	4.75					
Week 8	V38 to V41=28	1	3	4.5					
Week 9	V42 to V48=57	1	3	5.0					
Week 10	V49 toV51=22	1	3	4.5					
Week 11	V52 toV55=40	1	3	4.25					
Week 12	V56 to V57=14	1	3	4.25					
Total Duration Hrs. (Video)	7.05		Total Hrs for the Completion of Course	54 hrs (approx.)					

*CA test will be held on the basis of remaining 40% (Unit-I and V)….(Notesheet to be made)

C++/CAI 401: Object Oriented Programming through C++ (Mapping 30%)

Advanced C++/CAI401: Object Oriented Programming through C++ (Rest 70% mapped)

| Week | Duration of Video(s) (min) | Additional hours allotted | | | Additional classes allotted for rest of the syllabi | Continuous Assessment | | Semester-end Examination |
		Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/Week		ST-25 marks	IISU -5 marks	ST-70 marks
C++ (ST)							Attendance	
Week 1	11+14+10=35	1	1.4	3 hrs				
Week 2	9+13+10+11=43	1	1.2	3 hrs				
Week 3	19+10+8=37	1	1.4	3 hrs		C++ Test		Advanced C++
Week 4	11+9+8=28	1	1.5	3 hrs		• MCQ on the date given by the IISU and duration of the exam: 45 min;		• MCQ on the date given by the IISU and duration of the exam: 45 min;
Week 5	12+8=20	1	1.6	3 hrs				
Week 6	7+6+8=21	1	1.6	3 hrs				
Advanced C++ (ST)					1 hr/week	• Remedial in case student does not clear the exam after 15 days;	5 marks	• Remedial in case student does not clear the exam after 15 days;
Week 7	8+7=15	1	1.6	3 hrs				
Week 8	6+9=15	1	1.6	3 hrs				
Week 9	8+10=18	1	1.6	3 hrs		• Certificate on clearing the exam from Spoken Tutorial, IIT Bombay		• Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 10	6+6=12	1	1.6	3 hrs				
Week 11	5	1	1	2 hrs				
Week 12	6	1	1	2 hrs				
Total Duration Hrs. (Video)	3.06+1.18=4.25		Total Hrs for the Completion of Course	34 hrs (approx.)				

- Additional topics covered in C++ through ST are Working with Structures and Pointers
- Additional topics covered in Advanced C++ is Exception Handling

Department of Physics

C++/PHY222: PROGRAMMING WITH C++ AND APPLICATIONS OF MATLAB (Mapping 30%)

Week	Duration of Video(s) (min)	Additional hours allotted				Continuous Assessment		Semester-end Examination
		Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/Week	Additional classes allotted for rest of the syllabi	ST-25 marks	IISU -5 marks	IISU-70 marks
							Attendance	
Week 1	11+14+10=35	1	1.4	3 hrs	2 hr/week	• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay	5 marks	70 marks
Week 2	9+13+10+11=43	1	1.2	3 hrs				
Week 3	19+10+8=37	1	1.4	3 hrs				
Week 4	11+9+8=28	1	1.5	3 hrs				
Week 5	12+8=20	1	1.6	3 hrs				
Week 6	7+6+8=21	1	1.6	3 hrs				
Total Duration Hrs. (Video)	**3.06**		**Total Hrs for the Completion of Course**	**18 hrs (approx.)**				

Department of Chemistry

ChemCollective VLabs / CHY204: Lab Course (Mapping 20%)

Week	Duration of Video(s) (min)	Additional hours allotted				Continuous Assessment			Semester-end Examination
		Mentoring class (hrs/week)	Home Assignment (hrs/week)	Total Hrs/Week	Additional classes allotted for rest of the syllabi	IISU (15)		ST (15)	IISU-70 marks
		(hrs/2 weeks)	(hrs/2 weeks)	(hrs/2 weeks)		CA Test	File		
Week 1-2	9.32+11.41	1	1	2.50	3 hrs./week	10 marks	5 Marks	• MCQ on the date given by the IISU and duration of the exam: 45 min; • Remedial in case student does not clear the exam after 15 days; • Certificate on clearing the exam from Spoken Tutorial, IIT Bombay	70 marks from the entire syllabi
Week 3-4	10.17+13.49	1	1	2.50					
Week 5-6	11.12+15.31	1	1	2.50					
Week 7-8	10.00+10.09	1	1	2.50					
Week 9-10	10.52+11.41	1	1	2.50					
Week 11-12	11.41+10.13	1	1	2.50					
Week 13	8.49	0.5	0.5	1.25					
Total Duration Hrs. (Video)	2.40 hrs		Total Hrs for the Completion of Course	17 hrs (approx.)					