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

Integration of Spoken Tutorial,
IIT Bombay with
IISU courses
Session 2021-22(Even)

Contents

Proposed Spoken Tutorial Courses for integration with IISU syllabus (Even Semester, 2021-22)

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%	SEE
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)	Mentoring class (hrs/week) (hrs/2 weeks)	Home Assignment (hrs/week) (hrs/2 weeks)	Total Hrs/Week (hrs/2 weeks)	Additional classes allotted for rest of the syllabi	CA Test	Assignment/ Quiz	Report Submission	ST-70 marks
		Additional hours allotted				**Continuous Assessment** IISU-30 marks			**Semester-end Examination**
Week 1-2	11+11+14=36	2	3	5.5					• MCQ on the date given by the IISU and duration of the exam: 45 min;
Week 3-4	10+9+13=32	2	3	5.5					• Remedial in case student does not clear the exam after 15 days;
Week 5-6	10+11+9=30	2	3	5.5	Additional topics of theory will be covered in practical classes	15 marks	10 Marks	5 marks	• Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
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)	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	Assignment/ Quiz	Report Submission	
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*	10 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	38hrs (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	Report Submission	
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	Assignment /Quiz	Report Submission	
Week 1	V1 to V9=55	1	3	5.0	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 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					
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	54hrs (approx.)					

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

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 | | | | 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	ST-60 marks IISU-10 marks
C++ (ST)							Report Submission	
Week 1	11+14+10=35	1	1.4	3 hrs				Advanced C++ (60)
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		• MCQ on the date given by the IISU and duration of the exam: 45 min;
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;		
Week 5	12+8=20	1	1.6	3 hrs				• Remedial in case student does not clear the exam after 15 days;
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	• Certificate on clearing the exam from Spoken Tutorial, IIT Bombay
Week 7	8+7=15	1	1.6	3 hrs				
Week 8	6+9=15	1	1.6	3 hrs		• Certificate on clearing the exam from Spoken Tutorial, IIT Bombay		
Week 9	8+10=18	1	1.6	3 hrs				
Week 10	6+6=12	1	1.6	3 hrs				
Week 11	5	1	1	2 hrs				IISU(10): Report Submission
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
							Report Submission	
Week 1	11+14+10=35	1	1.4	3 hrs		• 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	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				70 marks
Week 5	12+8=20	1	1.6	3 hrs	2 hr/week		5 marks	
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

ChemCollectiveVLabs/ 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	70marks 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	17hrs (approx.)					

Spoken Tutorial Committee

Submitted for approval:

S.No.	Name	Designation	Signature
1.	Dr. Ruchi Nanda Associate Professor Dept. of CS & IT	Coordinator Spoken Tutorial	
2.	Dr. Pragya Sinha Associate Professor Dept. of Chemistry	Member	
3.	Dr. Manisha Patni Head, Dept. of Chemistry	Member	
4.	Dr. Ritu Jain Head, Dept. of Physics	Member	
5.	Dr. Nidhi Bhargava Associate Professor Dept. of Physics	Member	
6.	Dr. Rajni Gupta Head, Dept. of Mathematics	Member	
7.	Dr. Surendra Kumar Agarwal Associate Professor Dept. of Mathematics	Member	
8.	Dr. Pooja Choraria Head, Dept. of Statistics	Member	
9.	Ms. Surbhi Gupta Assistant Professor Dept. of Statistics	Member	
10	Prof. Vijay Singh Rathore Head, Dept. of CS & IT	Member	
11.	Dr. Anubha Jain Associate Professor Dept. of CS & IT	Member	