



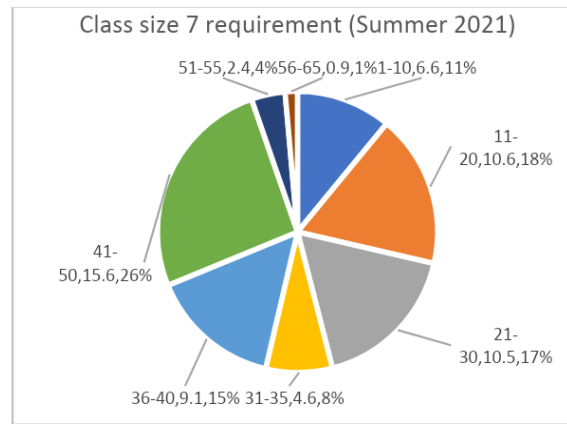
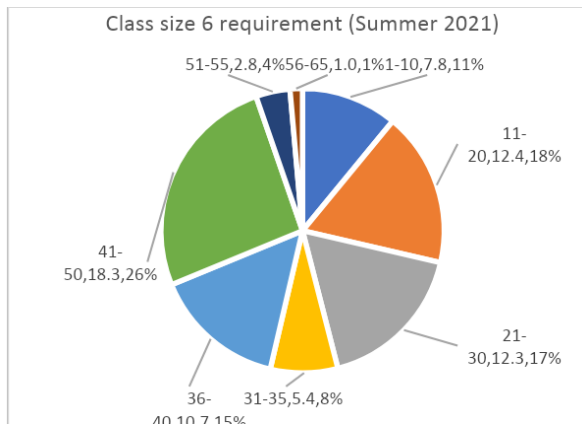
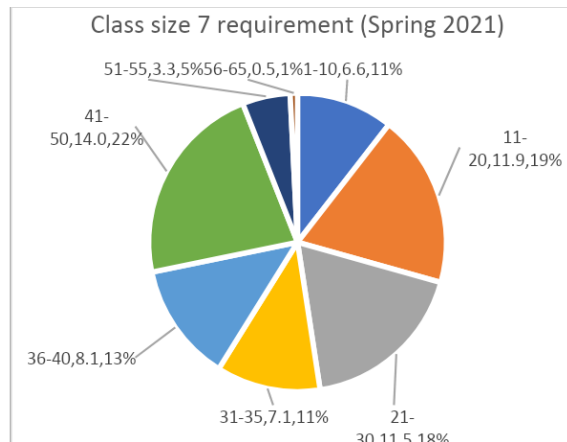
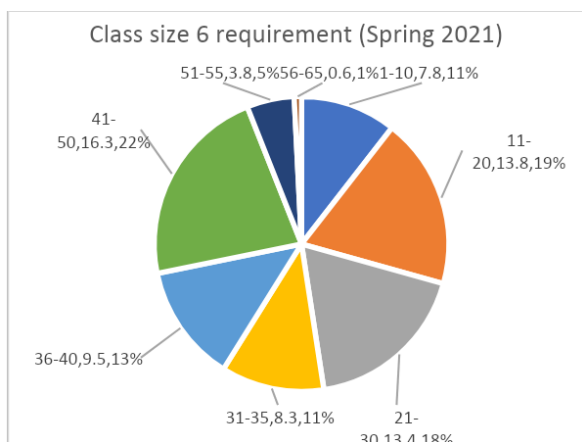
# Independent University, Bangladesh

Classroom requirement based on course offering

Summer 2021, Spring 2021

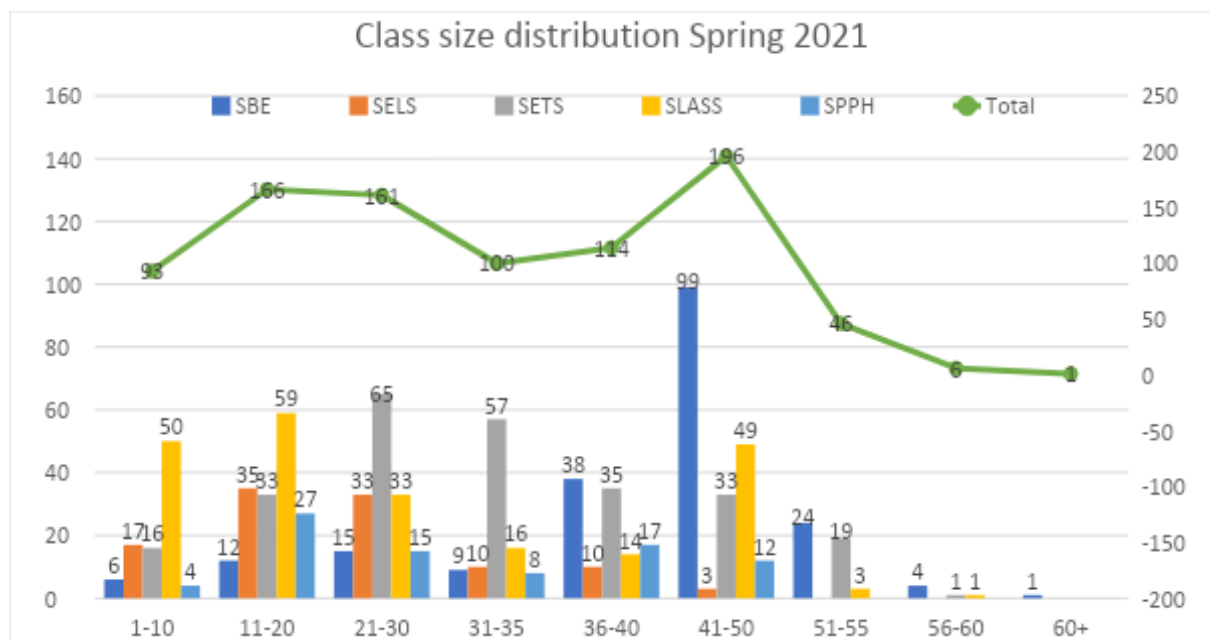
## Classroom requirement as per course offering (Summary)

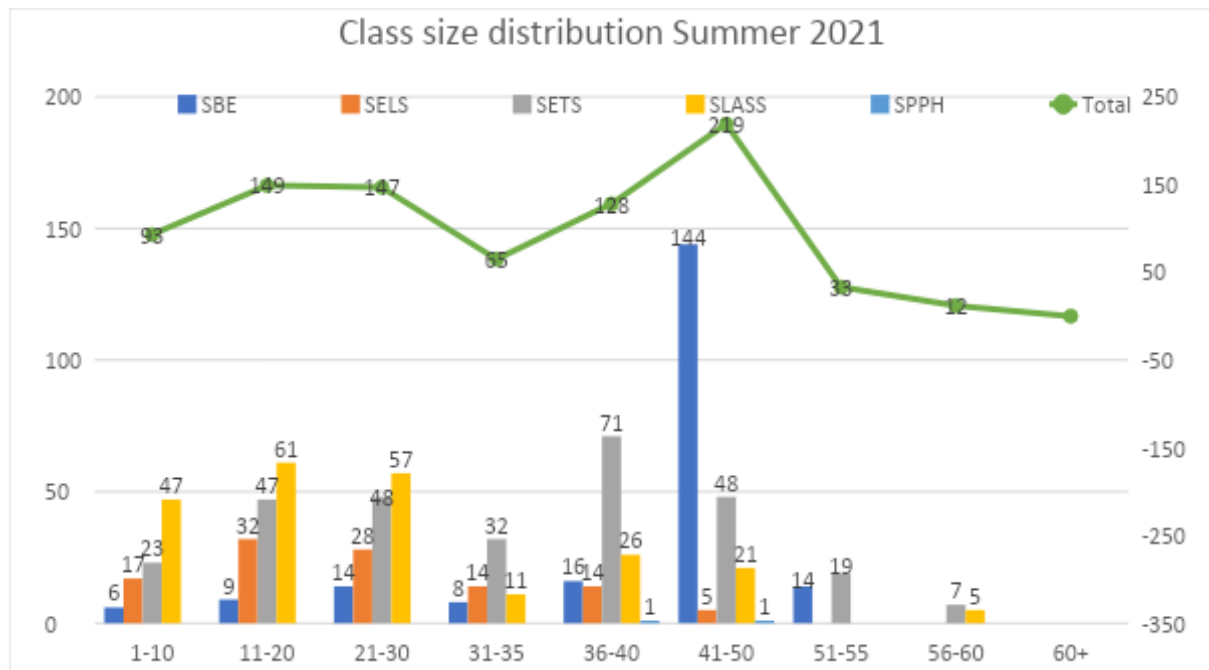
Spring 2021				Summer 2021		
Class Size	Sections	Class room 6	Class room 7	Sections	Class room 6	Class room 7
1-10	93	7.8	6.6	93	7.8	6.6
11-20	166	13.8	11.9	149	12.4	10.6
21-30	161	13.4	11.5	147	12.3	10.5
31-35	100	8.3	7.1	65	5.4	4.6
36-40	114	9.5	8.1	128	10.7	9.1
41-50	196	16.3	14.0	219	18.3	15.6
51-55	46	3.8	3.3	33	2.8	2.4
56-65	7	0.6	0.5	12	1.0	0.9
<b>Total</b>	<b>883.0</b>	<b>73.6</b>	<b>63.1</b>	<b>846.0</b>	<b>70.5</b>	<b>60.4</b>



## Enrolment wise course distribution among the schools

Enrollment	Spring						Summer					
	SBE	SELS	SETS	SLASS	SPPH	Total	SBE	SELS	SETS	SLASS	SPPH	Total
1-10	6	17	16	50	4	93	6	17	23	47	0	93
11-20	12	35	33	59	27	166	9	32	47	61	0	149
21-30	15	33	65	33	15	161	14	28	48	57	0	147
31-35	9	10	57	16	8	100	8	14	32	11	0	65
36-40	38	10	35	14	17	114	16	14	71	26	1	128
41-50	99	3	33	49	12	196	144	5	48	21	1	219
51-55	24	0	19	3	0	46	14	0	19	0	0	33
56-60	4	0	1	1	0	6	0	0	7	5	0	12
60+	1	0	0	0	0	1	0	0	0	0	0	0





### Usage of the resources:

	Sum	Avg Enroll	Avg Room	Difference	Unused %
<b>Spring</b>	<b>26910</b>	<b>30.30</b>	<b>39.87</b>	<b>9.57</b>	<b>24.00%</b>
SBE	8567	40.99	46.94	5.95	12.67%
SELS	2404	21.85	35.09	13.24	37.72%
SETS	8039	31.04	40.86	9.82	24.04%
SLASS	5598	24.88	36.11	11.23	31.10%
SPPH	2302	27.08	35.65	8.56	24.03%
<b>Summer</b>	<b>26633</b>	<b>31.15</b>	<b>40.19</b>	<b>9.04</b>	<b>22.50%</b>
SBE	8960	42.26	47.83	5.57	11.64%
SELS	2568	22.93	34.96	12.03	34.41%
SETS	9554	31.95	39.80	7.84	19.71%
SLASS	5473	23.80	36.13	12.33	34.14%
SPPH	78	39.00	50.00	11.00	22.00%

	Spring	Summer
Average of ROOM_CAPACITY	39.87	40.19
Average of ENROLLED	30.30	31.15
Average of Unused Space	9.57	9.04
Unused Percent	24.00%	22.50%

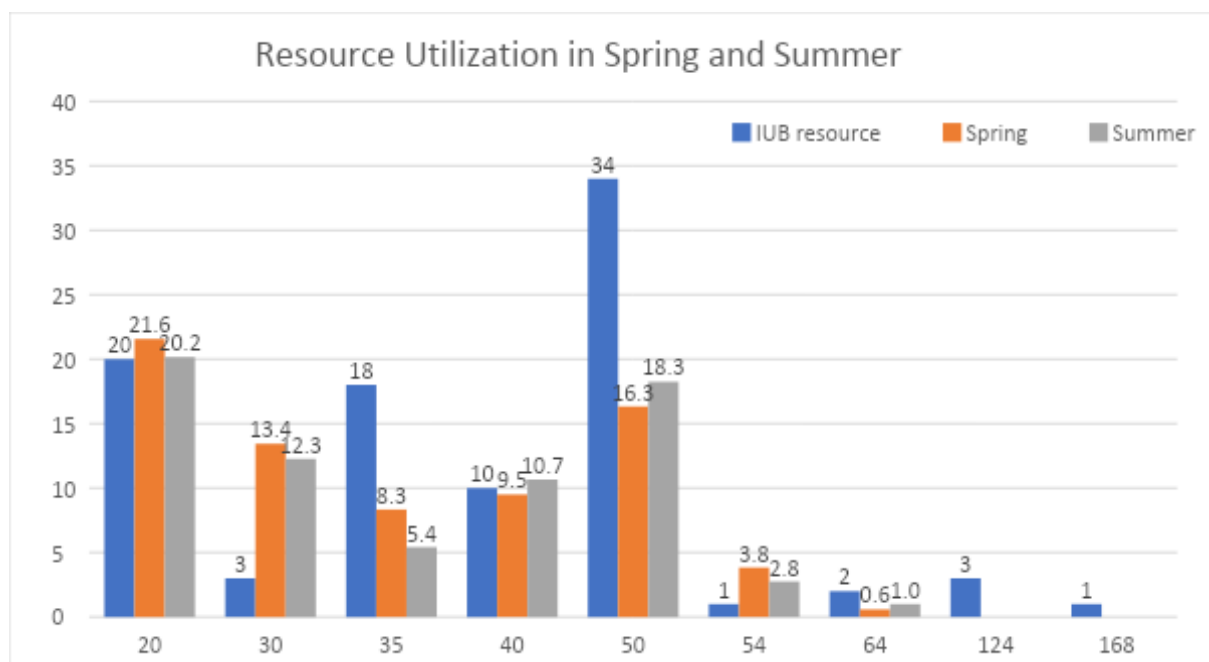
### IUB available resources

Class size	IUB resource	Capacity
20	20	400
30	3	90
35	18	630

40	10	400
50	34	1700
54	1	54
64	2	128
124	3	372
168	1	168
<b>Total</b>	<b>92</b>	<b>3942</b>
<b>Total Capacity with 6 slot 2 days</b>		<b>47304</b>
<b>Total Capacity with 7 slot 2 days</b>		<b>55188</b>
<b>Considering 3.5 average course load (6 slot)</b>		<b>13515</b>
<b>Considering 3.5 average course load (7 slot)</b>		<b>15768</b>
<b>Considering free % for 6 slots capacity</b>		<b>10272      10474</b>
<b>Considering free % for 7 slots capacity</b>		<b>11984      12220</b>

#### Availability and course offering comparison:

Class size	IUB resource	Spring	Difference	Summer	Difference
20	20	21.6	-1.6	20.2	-0.2
30	3	13.4	-10.4	12.3	-9.3
35	18	8.3	9.7	5.4	12.6
40	10	9.5	0.5	10.7	-0.7
50	34	16.3	17.7	18.3	15.8
54	1	3.8	-2.8	2.8	-1.8
64	2	0.6	1.4	1.0	1.0
124	3	0.0	3.0	0.0	3.0
168	1	0.0	1.0	0.0	1.0
<b>Total</b>	<b>92</b>	<b>73.58</b>	<b>18.42</b>	<b>70.50</b>	<b>21.5</b>



- Some “50 capacity” size classrooms can be restructured by splitting into two rooms with 30 and 20 capacities.
- Some “50 capacity” size classrooms can be allocated for Lab purpose based on the urgency.

Enrollment	Spring						Summer					
	SE	SES	SETS	SLASS	SPPH	Total	SE	SES	SETS	SLASS	SPPH	Total
1		1		3		4			5	3		8
2			3	4		7				3		3
3			1	4		5				4		4
4			3	9		12			1	4		5
5	1		1	3	1	6		1	3	5		9
6	2	1	3	10		16		2		7		9
7	1		3	2	1	7	2	2	3	8		15
8	1	3	1	4	1	10		4	5	3		12
9	1	5	1	5		12	1	2	1	4		8
10		7		6	1	14	3	6	5	6		20
11	3	1	6	2	2	14	3	9	2	8		22
12	2	5	4	5	3	19		2	2	2		6
13		6	2	6	1	15		4	2	3		9
14	1	4	2	7	1	15		4	4	8		16
15		2	2	6	2	12		3	8	4		15
16		3	5	6	3	17	2	1	4	5		12
17	1	6	3	3	3	16	1	1	6	3		11
18	2	2	5	7	2	18		4	4	3		11
19	2	3	1	5	4	15	1	3	5	10		19
20	1	3	3	12	6	25	2	1	10	15		28
21	2	5	4	4	3	18	2	3	6	4		15
22		1	7	2	1	11	1	4	6	3		14
23	1	1	7	3	1	13		4	2	4		10
24			1	1	1	3	1		3	8		12
25	3	4	7	5	2	21			5	6		11
26	3	3	6		1	13	4	1	9	3		17
27	4	5	3	3	1	16	1	2	2	6		11
28		6	3	1	2	12	1	1	5	6		13
29		3	9	6	2	20	3	2	8	5		18
30	2	5	18	8	1	34	1	11	2	12		26
31	1	2	14	1	2	20	2		4			6
32	3	3	11		2	19	2	3	5			10
33	1	1	10	3		15	1	1	3	1		6
34	3		10	2	2	17	2	4	6	3		15
35	1	4	12	10	2	29	1	6	14	7		28
36	2	1	19	5	4	31	2	3	17	1		23
37	5	2	3	1	1	12		3	12	1	1	17
38	10	1	5	1	2	19	2	4	12	1		19
39	4	2	1	3	1	11	4		8	5		17
40	17	4	7	4	9	41	8	4	22	18		52
41	5	1	4	8	3	21	1	2	5	2	1	11
42	2		5	7		14	9		4			13
43	4		2	1	1	8	5		4			9

44	4	1	4	4		13	4	1	1	1		7
45	13		3	5	7	28	23		3			26
46	9		2	13	1	25	5		12			17
47	9			3		12	10		4	7		21
48	22		1	3		26	39	1	1	5		46
49	8		3	1		12	26		4	1		31
50	23	1	9	4		37	22	1	10	5		38
51	17		9	2		28	6		2			8
52	1		1	1		3	6		2			8
53	3		5			8	1		2			3
54	2		1			3	1		3			4
55	1		3			4			10			10
56	1		1	1		3			2			2
57	2					2			5			5
58	1					1						
59										2		2
60										3		3
62	1					1						
Total	20						21					
	8	108	259	225	83	883	1	110	295	228	2	846

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