



SIMON FRASER UNIVERSITY  
INSTITUTIONAL RESEARCH AND PLANNING

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Associate Vice-President, Academic  
and Associate Provost

From: Jacy Lee  
Director, Institutional Research  
and Planning

Subject: Impact of new scheduling policy

Date: November 10, 2009

As requested, here are two attachments showing the patterns of undergraduate primary class sections (Burnaby, Surrey and Vancouver campuses), and of centrally scheduled classrooms (Burnaby only), in Fall 2009, compared to Fall 2008.

Highlights include:

- With respect to scheduling of all primary class sections:
  - Some smoothing out has occurred. In Fall 2008, the busiest period was between 9:30 – 11:30 am and 1:30 – 2:30 pm on Monday through to Thursday. In Fall 2009, there is a decrease in the scheduling of primary class sections during those times, and an increase during 3:30 – 5:30 pm on each day (see Figs 1A and 1B).
  - Friday continues to be different from the other weekdays. However, compared to Fall 2008, there is an increase in the scheduling of primary class sections throughout the day in Fall 2009 (see Fig. 1C).
  - Compared to Fall 2008, the Wednesday peak between 10:30 – 11.30 am has leveled off in Fall 2009 (see Fig. 2C).
- With respect to centrally scheduled classrooms:
  - Compared to Fall 2008, there is some leveling off in the use of centrally scheduled rooms within the week. However, Wednesday continues to be the busiest day (see Fig. 3).

The contents of the attachments include:

1. Attachment 1: Undergraduate Primary Class Sections

- Figures 1A to 1C: Plot of number of undergraduate primary class sections scheduled in Fall 2008 and Fall 2009 by ½ hour slots (using intensity of colour as per legend provided).
  - Figure 1A: Fall 2008
  - Figure 1B: Fall 2009
  - Figure 1C: Change in number (Fall 2009 – Fall 2008). Note the green areas show reduction while the pink areas show increase in the number of class

sections scheduled in the relevant time slots. The white areas experienced no change (see legend).

- Tables 1A to 1C: Percentage of undergraduate primary class sections scheduled by ½ hour slots. (The percentage is calculated by dividing the number of primary class sections in each ½ slot by the total number of class sections in the term. The total class sections are 1,193 in Fall 2008 and 1,154 in Fall 2009.
    - Table 1A: Fall 2008
    - Table 1B: Fall 2009
    - Table 1C: Change in percentage (Fall 2009 – Fall 2008).
  
  - Tables 2A and 2B: Average prime time and daytime percentages by day of the week
    - Table 2A: Fall 2008
    - Table 2B: Fall 2009
  
  - Figures 2A to 2E: Line graph of percentage of undergraduate primary class sections scheduled by ½ hour slots.
    - Figure 2A: Monday (Fall 2008 and Fall 2009)
    - Figure 2B: Tuesday (Fall 2008 and Fall 2009)
    - Figure 2C: Wednesday (Fall 2008 and Fall 2009)
    - Figure 2D: Thursday (Fall 2008 and Fall 2009)
    - Figure 2E: Friday (Fall 2008 and Fall 2009)
2. Attachment 2: Centrally Scheduled Rooms in Burnaby (excludes departmentally scheduled rooms and laboratory rooms)
- Figure 3: Line graph of percentage of weekly instructional hours by day and by term
  
  - Table 3: Instructional hours in centrally scheduled rooms by day and by term
  
  - Figures 4A to 4F: Line graph of percentage centrally scheduled rooms scheduled by one hour slots. Note scheduling for non-credit are excluded. Credit activities include primary and secondary class sections such as tutorials and LAB (dry labs) that are taught in centrally scheduled rooms.
    - Figure 4A: Monday to Friday (Fall 2009 only)
    - Figure 4B: Monday (Fall 2008 and Fall 2009)
    - Figure 4C: Tuesday (Fall 2008 and Fall 2009)
    - Figure 4D: Wednesday (Fall 2008 and Fall 2009)
    - Figure 4E: Thursday (Fall 2008 and Fall 2009)
    - Figure 4F: Friday (Fall 2008 and Fall 2009)

Reports on utilization of centrally scheduled classrooms for Fall 2008 and Fall 2009 are available at: <http://www.sfu.ca/irp/space/ClassUtilization/index.htm>

Attachments.

Number of Undergraduate Primary Class Sections Scheduled by Half-Hour Time Slot

Fig. 1A: Fall 2008 (1193 sections total)

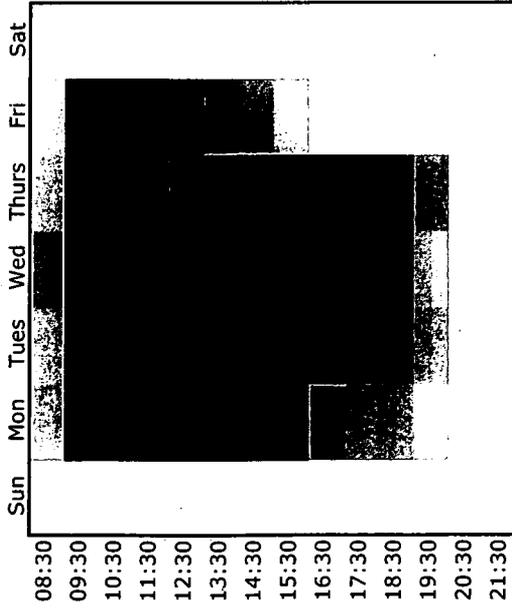
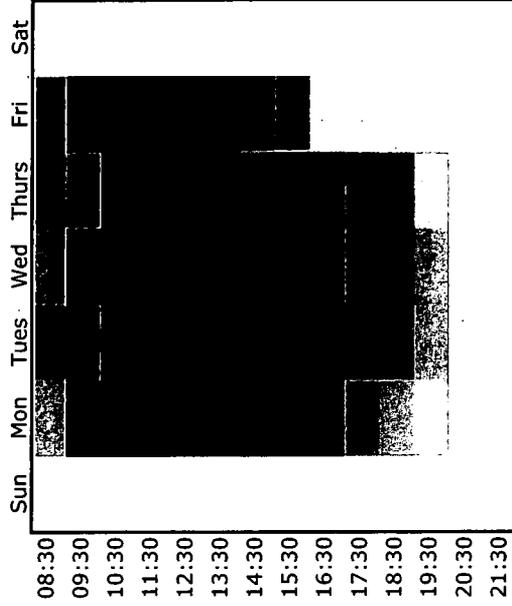
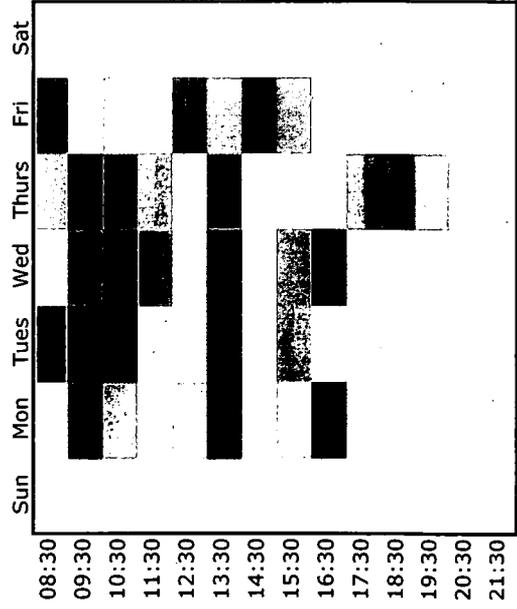


Fig. 1B: Fall 2009 (1154 sections total)



# of Sections	Colour
0	White
12	Light Grey
24	Medium Grey
36	Dark Grey
48	Black
60	Black
72	Black
84	Black
96	Black
108	Black

Fig. 1C: Difference (Fall 2009 - Fall 2008)



Difference	Colour
-40	Black
-30	Black
-20	Black
-10	Black
0	White
+10	Light Grey
+20	Medium Grey
+30	Dark Grey
+40	Black

**Percentage of Undergraduate Primary Class Sections Scheduled by Half-Hour Time Slot**

**Table 1A: Fall 2008 (1193 sections total)**

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
08:30		2	2	3	2	2	2
09:00		2	2	3	2	2	<1
09:30		7	7	7	7	6	<1
10:00		7	7	7	7	6	<1
10:30		9	9	10	9	6	<1
11:00		9	9	10	9	6	<1
11:30		7	8	8	7	6	<1
12:00		7	8	8	7	6	<1
12:30		6	5	6	4	5	
13:00		6	6	6	4	5	
13:30		8	8	7	7	4	
14:00		8	8	7	6	4	
14:30		7	9	8	7	3	
15:00		7	9	8	7	3	
15:30		6	7	6	6	2	
16:00		6	7	6	6	2	
16:30		3	6	4	6	<1	
17:00		3	5	4	5	<1	
17:30		3	4	4	5		
18:00		3	4	4	5		
18:30		3	4	4	4		
19:00		3	4	4	4		
19:30		2	3	2	3		
20:00		2	3	2	3		
20:30		<1	<1	<1	<1		
21:00		<1	<1	<1	<1		
21:30		<1	<1	<1	<1		
22:00				<1	<1		

**Table 1B: Fall 2009 (1154 sections total)**

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
08:30		2	3	2	3	3	3
09:00		2	3	2	3	3	<1
09:30		6	4	6	4	6	<1
10:00		6	4	6	4	6	<1
10:30		8	7	7	7	7	<1
11:00		8	8	7	7	7	<1
11:30		8	9	7	8	7	<1
12:00		8	9	7	8	7	<1
12:30		6	6	6	5	6	<1
13:00		6	6	6	5	6	<1
13:30		6	7	5	5	5	
14:00		6	6	5	5	5	
14:30		8	9	8	8	4	
15:00		8	9	8	8	4	
15:30		7	9	7	7	3	
16:00		7	9	7	7	3	
16:30		6	6	6	6	1	
17:00		5	6	6	6	1	
17:30		3	5	4	4	<1	
18:00		3	5	4	4	<1	
18:30		3	4	3	3	<1	
19:00		3	4	3	3	<1	
19:30		2	3	3	3	2	
20:00		2	3	3	3	2	
20:30		<1	<1	<1	<1	<1	
21:00		<1	<1	<1	<1	<1	
21:30		<1	<1	<1	<1	<1	
22:00		<1	<1	<1	<1	<1	

**Table 1C: Difference (Fall 2009 - Fall 2008)**

	Sun	Mon	Tues	Wed	Thurs	Fri	Sat
08:30		+0.0	+1.3	-0.3	+0.8	+1.3	
09:00		+0.0	+1.3	-0.3	+0.8	+1.2	-0.1
09:30		-1.7	-3.3	-1.8	-3.5	-0.2	-0.0
10:00		-1.8	-3.3	-1.8	-3.7	-0.2	-0.0
10:30		-1.0	-2.1	-3.1	-1.9	+0.5	-0.0
11:00		-1.0	-2.0	-3.3	-1.8	+0.5	-0.0
11:30		+0.0	-0.1	-1.3	+0.7	+0.1	-0.1
12:00		+0.0	-0.1	-1.2	+0.8	+0.3	-0.0
12:30		-0.9	-0.0	-0.5	+0.0	+1.1	+0.2
13:00		-0.9	-0.3	-0.7	-0.2	+1.2	+0.2
13:30		-3.0	-2.2	-2.8	-1.6	+0.8	
14:00		-3.0	-2.4	-2.8	-1.5	+0.8	
14:30		-0.2	-0.5	-0.1	+0.0	+1.3	
15:00		-0.3	-0.7	-0.1	-0.3	+1.3	
15:30		+0.6	+0.8	+0.9	+0.3	+0.9	
16:00		+0.6	+0.8	+0.9	+0.2	+0.9	
16:30		+2.2	+0.5	+2.0	+0.1	+0.3	
17:00		+1.9	+0.7	+1.7	+0.3	+0.2	
17:30		+0.4	+0.6	-0.1	-1.0	+0.3	
18:00		+0.4	+0.6	-0.2	-1.3	+0.3	
18:30		-0.4	+0.0	-0.5	-1.2	+0.2	
19:00		-0.3	+0.0	-0.5	-1.3	+0.1	
19:30		-0.1	-0.2	+0.2	-0.8		
20:00		+0.0	-0.1	+0.3	-0.8		
20:30		+0.2	+0.1	+0.3	-0.1		
21:00		+0.2	+0.2	+0.3	-0.0		
21:30		-0.0	+0.1	-0.0	+0.1		
22:00		+0.1	+0.1	+0.1	+0.1		

**Average Percentage of Undergraduate Primary Class Sections Scheduled**

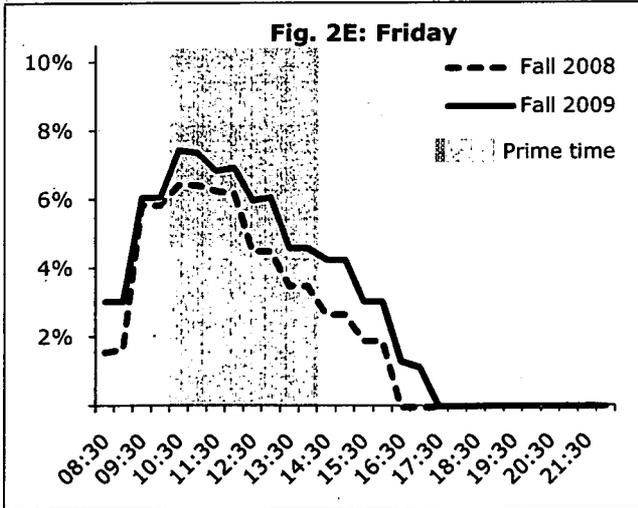
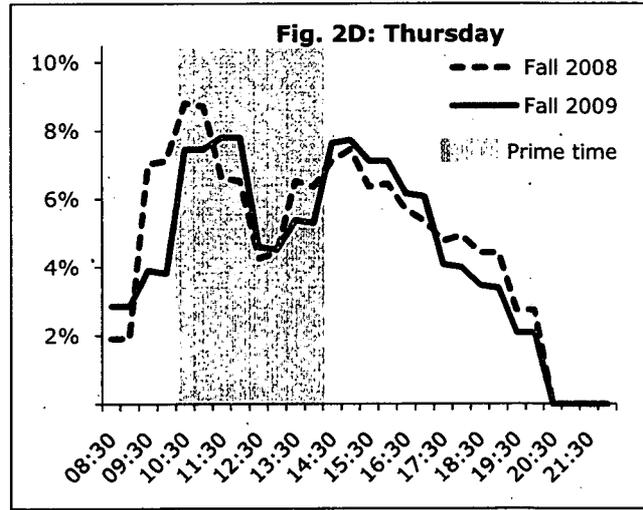
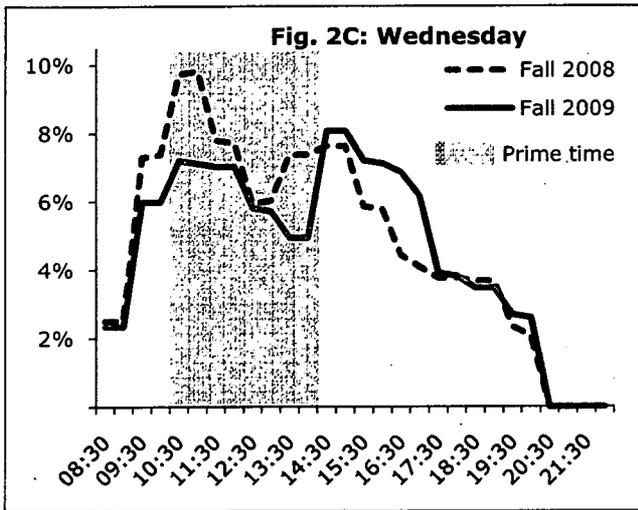
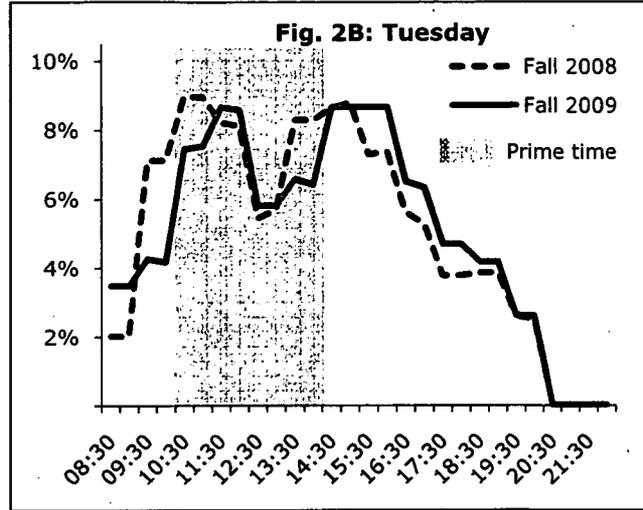
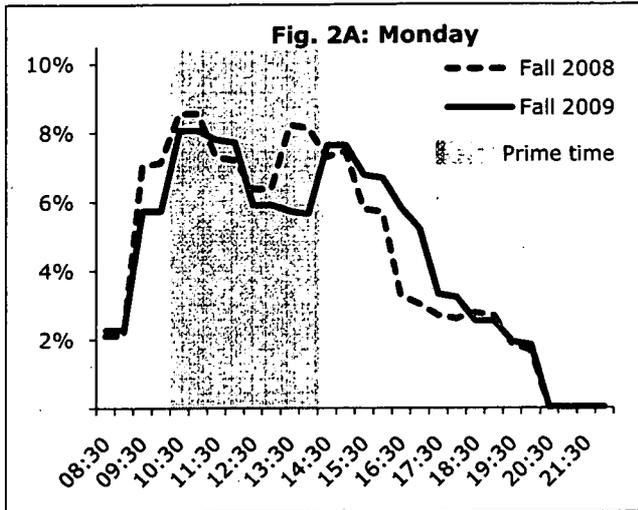
**Table 2A: Fall 2008**

	Mon	Tues	Wed	Thurs	Fri
Prime time average:	7.6	7.8	7.7	6.5	5.2
Daytime average:	6.6	7.0	6.8	6.1	4.1

**Table 2B: Fall 2009**

	Mon	Tues	Wed	Thurs	Fri
Prime time average:	6.8	7.1	6.2	6.3	6.2
Daytime average:	6.2	6.7	6.0	5.8	5.2

Percentage of Undergraduate Primary Class Sections Scheduled by Half-Hour Time Slot



Notes:

1) The following course sections are excluded from this report:

- Secondary sections (e.g. tutorials)
- Distance education sections
- Sections held offsite
- Sections without scheduled classes (e.g. directed studies)
- English Bridge and Back on Track course sections

2) "Prime time" is defined as the period between 10:30am and 2:30pm (14:30 hours).

"Daytime hours" are defined as 8:30 to 16:29.

Figure 3: Daily Scheduling of the Centrally Scheduled Rooms (Burnaby)

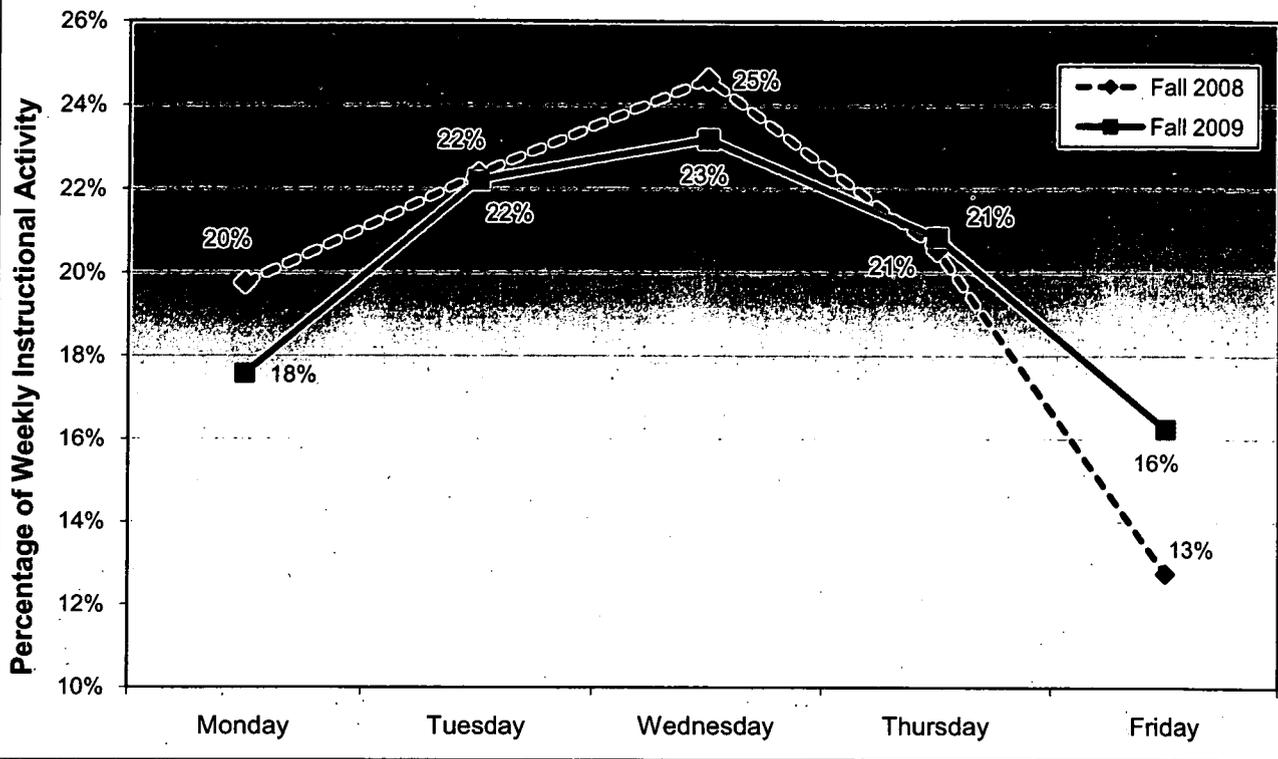


Table 3: Instructional Hours Held Within the Centrally Scheduled Rooms (Burnaby)

	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Fall 2008</b>	792	897	988	824	512
<b>Fall 2009</b>	721	912	952	855	666

**Notes:**

- 1) Only for-credit instruction occurring in centrally scheduled classrooms on the Burnaby campus is included. Laboratory rooms are not included.
- 2) Above usage reflects both undergraduate and graduate credit activity.
- 3) Secondary sections (e.g. tutorials) are included.

Figure 4A: Percent Usage of the 120 Centrally Scheduled Rooms (Burnaby) - Fall 2009

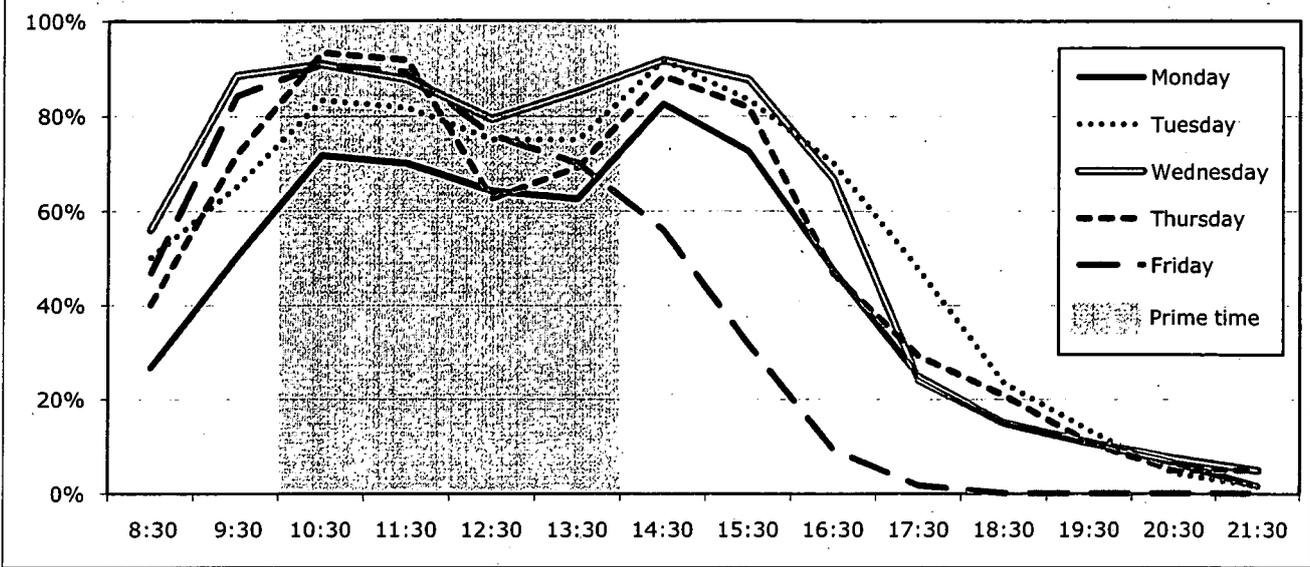


Figure 4B: Percent Usage of Centrally Scheduled Rooms (Burnaby) - Monday

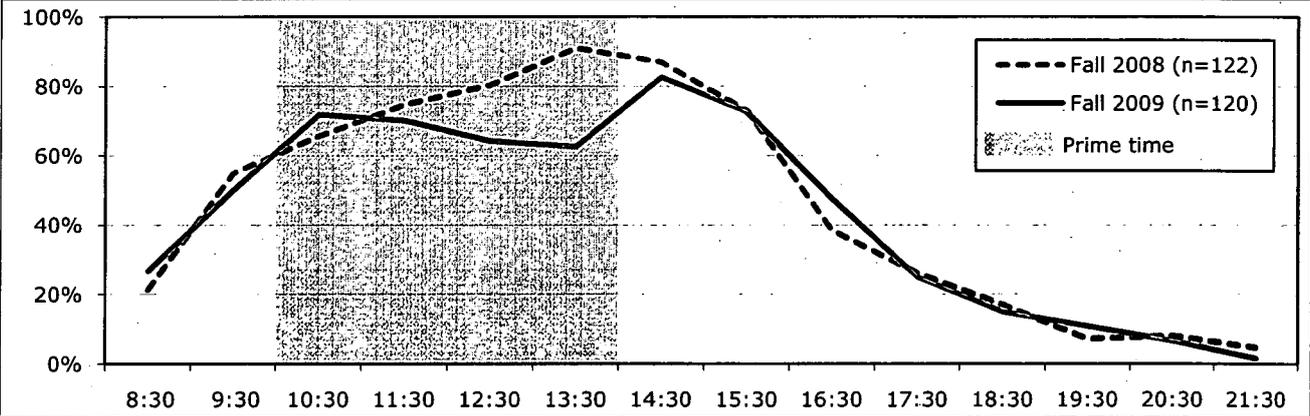


Figure 4C: Percent Usage of Centrally Scheduled Rooms (Burnaby) - Tuesday

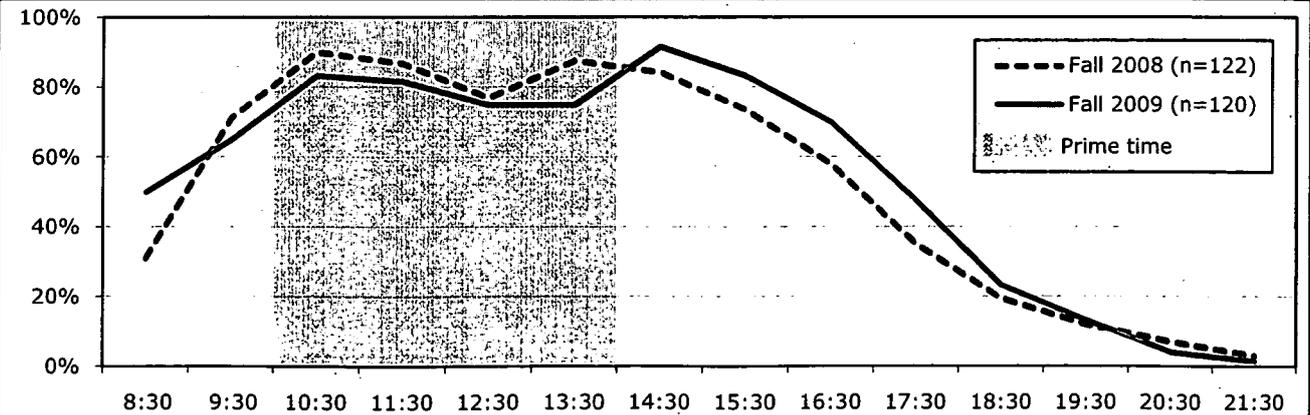


Figure 4D: Percent Usage of Centrally Scheduled Rooms (Burnaby) - Wednesday

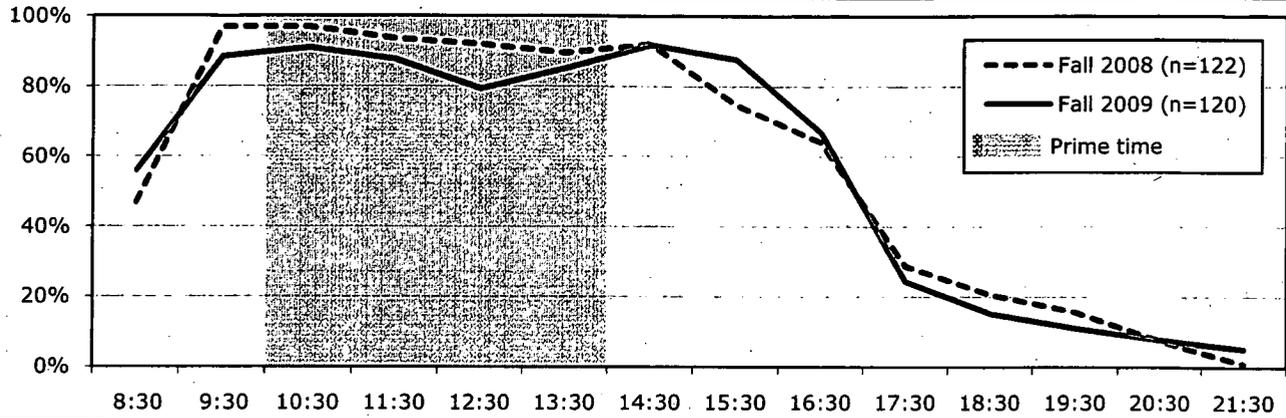


Figure 4E: Percent Usage of Centrally Scheduled Rooms (Burnaby) - Thursday

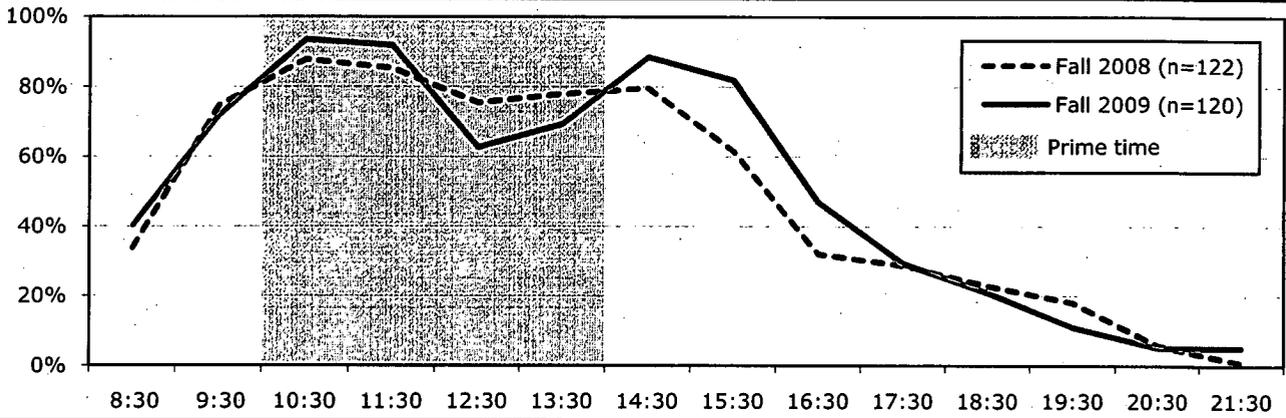
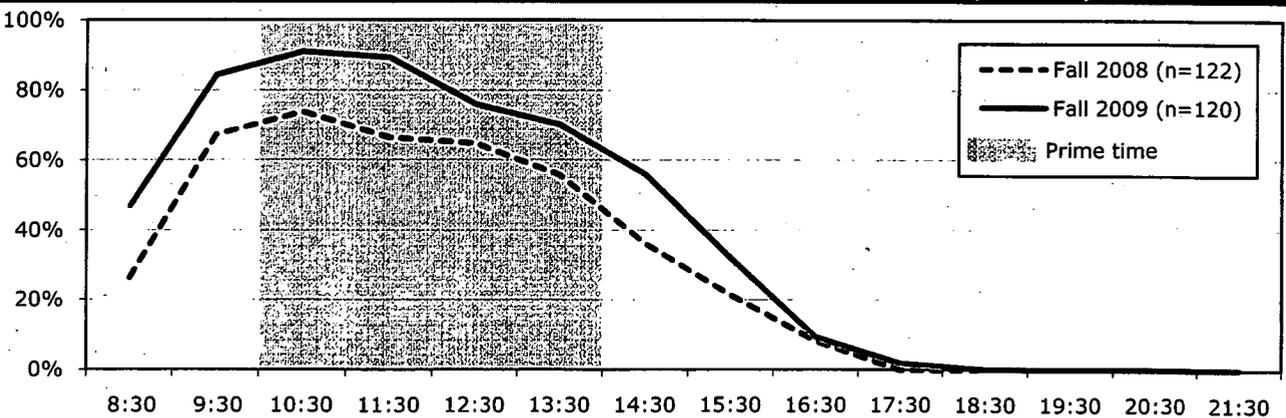


Figure 4F: Percent Usage of Centrally Scheduled Rooms (Burnaby) - Friday



**Notes:**

- 1) This report only recognizes those classrooms scheduled for credit activity for at least one hour per week in the respective semester (122 in Fall 2008, 120 in Fall 2009). Laboratory rooms are not included.
- 2) Above usage reflects both undergraduate and graduate credit activity.
- 3) Secondary sections (e.g. tutorials) are included.
- 4) "Prime time" is defined as the period between 10:30am and 2:30pm (14:30 hours).