

**NORCO
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CCC Scheduling - 101

2/26: What is an FTES?

3/19: WSCH, DSCH, PA and other fun acronyms

4/23: Efficiency?

5/21: What is a SCFF?

Brought to you by Jason Parks

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What is an FTES?

1 FTES = 1 student taking 15 hours of instruction per week for two 17.5 week semesters.

1 FTES = 15 * (17.5 + 17.5) = 525 hours of instruction

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What is an FTES?


What is an hour?

Clock Hour = 60 minutes

Student Contact Hour...not quite as simple

- First 50 mins = 1 SCH
- Each additional 60 mins = 1 SCH
- Take fraction of hour after last full clock hour
(e.g. 25 mins = $25/50 = .5$ hours)

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What is an FTES?


What???!?

Consider class that meets 1 hour 25 minutes twice weekly for a Full Semester

- First 50 minutes = 1 contact hour
- Remaining 35 minutes = $35/50 = 0.7$ hours
- So each sessions is 1.7 hours
- Twice weekly, this class is 3.4 contact hours
(We call this Weekly Student Contact Hours or WSCH)

Clock Time	Calculation	Contact Hour
First 50 min		1 CH
Remaining 35 min	$35/50 = 0.7$	0.7 CH
TOTAL	$1 + 0.7 = 1.7$	1.7 CH
2 x per week		3.4 WSCH

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What is an FTES?

What??!!!


Consider class that meets 2 hours 5 minutes twice weekly for a Full Semester

- First 50 minutes = 1 contact hour
- Next 60 minutes = 1 contact hour
- Remaining 15 minutes = 15/50 = 0.3 hours

- So each sessions is 2.3 hours
- Twice weekly, WSCH is 4.3

Clock Time	Calculation	Contact Hour
First 50 min		1 CH
Next 60 min		1 CH
Remaining 15 min	15/50 = 0.3	0.3 CH
TOTAL		1 + 1 + 0.3 = 2.3
2 x per week		4.6 WSCH

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What is an FTES?

3. Contact Hours Computation Table

Class Meeting Time	Clock Time Hrs : Mins	Example Start/End Time	Contact Hours	# of 10 Min. Breaks	Comments
50 Minutes	00:50	8:00 - 8:50	1.0	NA	1 CH
65 Minutes	01:05	8:00 - 9:05	1.3	NA	1 CH + 15-minute PCH
70 Minutes	01:10	8:00 - 9:10	1.4	NA	2 CH + 20-minute PCH
75 Minutes	01:15	8:00 - 9:15	1.5	NA	1 CH + 25-minute PCH
80 Minutes	01:20	8:00 - 9:20	1.6	NA	1 CH + 30-minute PCH
85 Minutes	01:25	8:00 - 9:25	1.7	NA	1 CH + 35-minute PCH
90 Minutes	01:30	8:00 - 9:30	1.8	NA	1 CH + 40-minute PCH
95 Minutes	01:35	8:00 - 9:35*	1.9	NA	1 CH + 45-minute PCH
110 Minutes	01:50	8:00 - 9:50	2.0	1	2 full CH
125 Minutes	02:05	8:00 - 10:05	2.3	1	2 CH + 15-minute PCH
130 Minutes	02:10	8:00 - 10:10	2.4	1	2 CH + 20-minute PCH
135 Minutes	02:15	8:00 - 10:15	2.5	1	2 CH + 25-minute PCH
140 Minutes	02:20	8:00 - 10:20	2.6	1	2 CH + 30-minute PCH
145 Minutes	02:25	8:00 - 10:25	2.7	1	2 CH + 35-minute PCH
150 Minutes	02:30	8:00 - 10:30	2.8	1	2 CH + 40-minute PCH
155 Minutes	02:35	8:00 - 10:35*	2.9	1	2 CH + 45-minute PCH
170 Minutes	02:50	8:00 - 10:50	3.0	2	3 full CH
185 Minutes	03:05	8:00 - 11:05	3.3	2	3 CH + 15-minute PCH
190 Minutes	03:10	8:00 - 11:10	3.4	2	3 CH + 20-minute PCH
195 Minutes	03:15	8:00 - 11:15	3.5	2	3 CH + 25-minute PCH
200 Minutes	03:20	8:00 - 11:20	3.6	2	3 CH + 30-minute PCH
205 Minutes	03:25	8:00 - 11:25	3.7	2	3 CH + 35-minute PCH
210 Minutes	03:30	8:00 - 11:30	3.8	2	3 CH + 40-minute PCH
215 Minutes	03:35	8:00 - 11:35*	3.9	2	3 CH + 45-minute PCH

Class Meeting Time	Clock Time Hrs : Mins	Example Start/End Time	Contact Hours	# of 10 Min. Breaks	Comments
230 Minutes	03:50	8:00 - 11:50	4.0	3	4 full class hours
245 Minutes	04:05	8:00 - 12:05	4.3	3	4 CH + 15-minute PCH
250 Minutes	04:10	8:00 - 12:10	4.4	3	4 CH + 20-minute PCH
255 Minutes	04:15	8:00 - 12:15	4.5	3	4 CH + 25-minute PCH
260 Minutes	04:20	8:00 - 12:20	4.6	3	4 CH + 30-minute PCH
265 Minutes	04:25	8:00 - 12:25	4.7	3	4 CH + 35-minute PCH
270 Minutes	04:30	8:00 - 12:30	4.8	3	4 CH + 40-minute PCH
275 Minutes	04:35	8:00 - 12:35*	4.9	3	4 CH + 45-minute PCH
290 Minutes	04:50	8:00 - 12:50	5.0	4	5 full CH
305 Minutes	05:05	8:00 - 1:05	5.3	4	5 CH + 15-minute PCH
310 Minutes	05:10	8:00 - 1:10	5.4	4	5 CH + 20-minute PCH
315 Minutes	05:15	8:00 - 1:15	5.5	4	5 CH + 25-minute PCH
320 Minutes	05:20	8:00 - 1:20	5.6	4	5 CH + 30-minute PCH
325 Minutes	05:25	8:00 - 1:25	5.7	4	5 CH + 35-minute PCH
330 Minutes	05:30	8:00 - 1:30	5.8	4	5 CH + 40-minute PCH
335 Minutes	05:35	8:00 - 1:35*	5.9	4	5 CH + 45-minute PCH
350 Minutes	05:50	8:00 - 1:50	6.0	5	6 full CH
365 Minutes	06:05	8:00 - 2:05	6.3	5	6 CH + 15-minute PCH
370 Minutes	06:10	8:00 - 2:10	6.4	5	6 CH + 20-minute PCH
375 Minutes	06:15	8:00 - 2:15	6.5	5	6 CH + 25-minute PCH
380 Minutes	06:20	8:00 - 2:20	6.6	5	6 CH + 30-minute PCH
385 Minutes	06:25	8:00 - 2:25	6.7	5	6 CH + 35-minute PCH
390 Minutes	06:30	8:00 - 2:30	6.8	5	6 CH + 40-minute PCH
395 Minutes	06:35	8:00 - 2:35*	6.9	5	6 CH + 45-minute PCH

CH = Class Hour. PCH = Partial Class Hour. See Definitions.

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What is an FTES?

Attendance Accounting Methods

- **Weekly Student Contact Hour (WSCH)**
 - **Coterminous begin and end dates**
 - **Each week must look the same**
 - **Ignore holidays**
- Daily Student Contact Hour (DSCH)
- Positive Attendance (PA)
- Alternative Attendance Accounting Method
- Noncredit Distance Education


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What is an FTES?

- Standard Semester is 18 weeks
- RCCD operates on a Compressed 16 week Calendar
 - Term Length Multiplier (TLM)
 - RCCD's TLM = **16.4**

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What is an FTES?

So what's with the 1h 25 min class time?

3 unit lecture class = 54 catalog hours


$54 / 16 = 3.375$

$3.375 / 2 = 1.6785$

70 Minutes	01:10	8:00 - 9:10	1.4	NA	1 CH + 20-minute PCH
75 Minutes	01:15	8:00 - 9:15	1.5	NA	1 CH + 25-minute PCH
80 Minutes	01:20	8:00 - 9:20	1.6	NA	1 CH + 30-minute PCH
85 Minutes	01:25	8:00 - 9:25	1.7	NA	1 CH + 35-minute PCH
90 Minutes	01:30	8:00 - 9:30	1.8	NA	1 CH + 40-minute PCH

$1.7 \times 2 \times 16 = 54.4$ contact hours

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What is an FTES?

So...how do we actually calculate FTES for a section?

$$\text{FTES} = (\text{WSCH} \times \text{students enrolled} \times \text{TLM}) / 525$$

From Spring 2020

MAT-12-33653	Statistics Ting, Lycretia E. The above section is a web-enhanced class. Internet access is required.	WBQ W4 WE 72.00	MWF	07:45AM 02/18/20 09:00AM 06/12/20	45 45	A 16
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Calculate WSCH: 1h 15min 3x a week: $1.5 \text{ CH} \times 3 = 4.5 \text{ WSCH}$

With 30 students enrolled:
 $\text{FTES} = (4.5 \times 30 \times 16.4) / 525 = 4.22 \text{ FTES}$

With 45 students enrolled
 $\text{FTES} = (4.5 \times 45 \times 16.4) / 525 = 6.33 \text{ FTES}$

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