

## Organic Chemistry II Lecture

EI is the original Exam I grade. EI or FIN column is the higher grade between exam I and the final. Only one of the 3 exams was replaced by the final exam if the final exam was a higher grade. If you earned a zero by missing one of the exams, it would have been replaced by the Final Exam. (EII or FIN and EIII or FIN is the same higher grade for Exam II and Exam III.) Two of the quizzes were dropped and are shown by the "x" in the dropped quiz box.

$$\text{Final \% grd} = \{ [ \text{Qave} + (\text{Eave} * 3) + (\% \text{click} / 4) + (\text{final exam} * 2) ] / 625 \} * 100$$

This is exactly the grading calculation described in the syllabus. So the sum of the 4 (non dropped quizzes) counts as one exam. The final exam counts as 2 exams and all of the clicker points comes out to 25 pts total maximum (or 1/4 of 100%). The final grade was (90% and higher) is A, (80% and higher) is B and the C dropped down quite a bit. I used normal rounding rules. The letters that I finally assigned are under "Let" The A/B and B/C line are very firm as I already stated on the syllabus. Final deadline for turning in excuses was 5/6 F the last day of classes. I had posted the "ex" posting on the bulletin board for about a week and a half so whether your missed quizzes and exams were excused should not be a surprise to anyone. (I graded between 5/13/16 at 4 pm and 5/18/16 at 8 am a total of 200 x 11 or 12 page x 2/3 not multiple choice exam by myself) I enjoyed teaching you this semester. Best wishes going forward.

Dr. Hahn 5/20/16

pin #	Q I	QII	QIII	QIV	QV	Q VI	Q ave	E I	EI or		EII or		EIII or		E ave	%click	Final		Lett
									FIN	EII	FIN	E III	FIN	Exam			grade		
0001	24.0	x22	27.0	23.3	x14.5	25.0	99.3	94.5	98.0	100.0	100.0	96.0	96.0	98.0	98.4	98.0	98.2	A	
0002	x22	27.0	26.0	x20.8	27.0	25.0	105.0	96.5	96.5	95.5	95.5	80.0	100.0	97.3	88.7	100.0	99.1	A	
0003	20.0	20.0	x17	23.3	x18.5	19.0	82.3	79.5	79.5	96.5	96.5	61.0	94.0	90.0	95.2	94.0	90.3	A	
0011	22.5	25.0	25.5	27.0	x14.5	x22.5	100.0	86.0	86.0	96.0	96.0	90.0	90.0	90.7	98.1	86.0	91.0	A	
0114	22.0	x14.5	24.5	x17.3	20.5	22.0	89.0	89.5	89.5	90.0	90.0	86.5	93.5	91.0	83.87	93.5	91.2	A	
0305	x9	15.0	x2	10.8	11.5	12.0	49.3	71.5	71.5	46.5	46.5	64.5	64.5	60.8	96.8	43.7	54.9	C	
0321	20.5	18.5	18.5	x17.3	x10.5	21.0	78.5	77.0	77.0	61.2	71.5	73.0	73.0	73.8	96.8	71.5	74.8	C	
0331	x0	23.0	x7.5	22.3	24.5	19.0	88.8	77.5	77.5	70.5	70.5	70.0	70.0	72.7	98.4	66.0	74.1	C	
0421	25.5	x18.5	x19.5	20.8	19.5	20.0	85.8	88.0	88.0	78.0	78.0	72.5	81.0	82.3	98.4	81.0	83.1	B	
0518	25.5	24.0	26.5	27.0	27.0	25.0	103.3	97.0	99.0	98.5	98.5	100.0	100.0	99.2	98.3	99.0	99.7	A	

0522	15.0	19.5	15.2	x12.3	21.0	x10	70.7	88.5	88.5	70.0	70.0	63.0	81.5	80.0	91.0	81.5	79.4	C
0527	26.0	x20	26.0	x20.8	24.5	27.0	103.5	86.5	86.5	80.5	80.5	70.5	79.0	82.0	98.4	79.0	85.1	B
0569	27.0	x19.5	27.0	27.0	x21.5	25.0	106.0	97.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5	100.0	100.7	A
0615	27.0	22.0	x13.5	27.0	x13.5	21.0	97.0	81.0	81.0	76.5	77.0	88.5	88.5	82.2	96.8	77.0	83.5	B
0616	x19.5	24.0	27.0	x16.3	24.5	27.0	102.5	99.0	99.0	97.0	97.0	96.0	96.0	97.3	100.0	100.0	99.1	A
0708	x22.5	26.5	27.0	27.0	x20	25.0	105.5	98.0	98.0	100.0	100.0	93.5	100.0	99.3	98.4	100.0	100.5	A
0710	27.0	27.0	x27	27.0	x17.5	27.0	108.0	94.5	94.5	100.0	100.0	82.0	100.0	98.2	100.0	100.0	100.4	A
0724	27.0	x22	26.0	x20.8	27.0	27.0	107.0	85.5	85.5	91.5	91.5	84.0	84.0	87.0	98.4	82.0	89.1	B
0743	27.0	x24	27.0	26.3	27.0	x21	107.3	96.0	96.0	96.5	96.5	82.5	86.0	92.8	98.4	86.0	93.2	A
0809	27.0	27.0	27.0	x23.3	27.0	x22	108.0	98.0	98.0	92.0	98.0	100.0	100.0	98.7	100.0	98.0	100.0	A
0928	27.0	20.0	x0	x18.3	19.5	23.0	89.5	96.0	96.0	96.0	96.0	90.5	100.0	97.3	85.5	100.0	96.5	A
0943	20.0	23.0	x19	x8.3	19.5	21.0	83.5	81.5	81.5	63.7	63.7	76.5	76.5	73.9	95.2	53.0	69.6	C
1031	27.0	x26	27.0	x23.3	26.5	27.0	107.5	100.0	100.0	99.5	99.5	99.0	100.0	99.8	83.9	100.0	100.5	A
1117	25.5	27.0	x23	27.0	26.5	x25	106.0	89.0	100.0	100.0	100.0	96.5	96.5	98.8	83.3	100.0	99.7	A
1118	x13	16.5	20.5	13.3	20.5	x0	70.8	63.5	63.5	53.5	53.5	48.5	58.0	58.3	75.8	58.0	60.9	C
1160	21.5	15.0	x6	22.3	x13.5	23.0	81.8	76.5	76.5	79.5	79.5	72.5	87.0	81.0	91.9	87.0	83.5	B
1203	16.0	x16	x2	27.0	20.5	22.0	85.5	83.5	83.5	81.0	81.0	80.5	80.5	81.7	93.5	75.5	80.8	B
1209	24.5	x23	27.0	x18.3	27.0	25.0	103.5	91.0	91.0	93.0	93.0	83.5	90.0	91.3	98.3	90.0	93.1	A
1212	x20	25.0	22.0	21.3	x18.5	23.0	91.3	97.0	97.0	81.5	81.5	86.0	86.0	88.2	100.0	79.0	86.2	B
1218	21.0	27.0	x23	27.0	23.5	x16	98.5	93.0	93.0	82.0	89.0	89.0	89.0	90.3	95.2	89.0	91.4	A
1229	26.5	x23	27.0	27.0	x21.5	27.0	107.5	87.0	87.0	96.0	96.0	79.5	96.0	93.0	98.4	96.0	96.5	A
1235	23.0	24.5	19.0	x12.3	x8.5	23.0	89.5	79.0	79.0	63.0	63.0	59.0	61.0	67.7	78.4	61.0	69.5	C
1255	17.0	15.0	13.5	20.8	x11.5	x8	66.3	80.5	80.5	68.5	68.5	52.5	76.0	75.0	69.4	76.0	73.7	C
1313	13.0	16.5	18.0	x9.8	19.5	x0	67.0	64.5	64.5	55.0	55.0	42.0	63.5	61.0	90.3	63.5	63.9	C
1321	18.5	x13	x4	22.3	25.5	25.0	91.3	85.5	85.5	78.5	78.5	66.0	83.5	82.5	98.4	83.5	84.9	B
1337	16.0	17.0	x7	20.8	x8	23.0	76.8	77.0	77.0	66.5	79.0	79.5	79.5	78.5	91.9	79.0	78.9	C
1414	20.0	16.0	13.0	x9.8	x9.5	23.0	72.0	96.0	96.0	76.5	90.5	90.0	90.0	92.2	93.5	90.5	88.5	B
1483	24.0	x0	12.0	x8.3	14.5	12.0	62.5	83.0	83.0	70.5	79.0	75.5	75.5	79.2	71.0	79.0	76.1	C
1502	20.5	22.0	14.5	15.8	x12.5	x10	72.8	80.5	80.5	59.0	70.5	68.0	68.0	73.0	91.9	70.5	72.9	C
1515	x15.5	18.0	x2	19.8	17.5	23.0	78.3	77.5	77.5	66.5	79.5	76.5	76.5	77.8	98.4	79.5	79.3	C
1738	x13.5	24.0	24.0	x18.3	20.5	23.0	91.5	94.5	94.5	87.5	87.5	73.0	73.0	85.0	96.8	73.0	82.7	B
1742	27.0	23.0	24.5	x15.8	x22	25.0	99.5	93.5	93.5	83.0	83.0	58.0	78.5	85.0	100.0	78.5	85.8	B
1913	22.0	24.0	21.0	x17.3	x13.5	19.2	86.2	91.0	91.0	80.0	80.0	69.5	84.5	85.2	98.4	84.5	85.6	B
1953	25.0	21.5	27.0	x18.3	21.5	x8	95.0	94.0	94.0	88.5	88.5	84.0	96.0	92.8	96.8	96.0	94.4	A

1969	25.0	x21	27.0	x23.3	26.5	27.0	105.5	96.0	96.0	85.0	85.0	79.0	100.0	93.7	93.5	100.0	97.6	A
1984	27.0	24.0	27.0	25.8	x15.5	x22	103.8	97.0	97.0	87.5	87.5	87.5	87.5	90.7	100.0	79.5	89.6	A
1988	x14	15.5	14.5	18.3	x4.5	14.0	62.3	58.5	58.5	65.7	65.7	50.5	75.0	66.4	87.1	75.0	69.3	C
1995	27.0	26.0	26.5	22.3	x21.5	x22	101.8	92.5	92.5	84.5	90.0	94.0	94.0	92.2	98.4	90.0	93.3	A
1996	26.0	27.0	24.5	x19.8	22.0	x21	99.5	94.0	94.0	76.2	76.2	84.0	84.0	84.7	88.7	72.5	83.3	B
2021	x16.5	24.0	x12	27.0	23.5	23.0	97.5	90.0	90.0	97.5	97.5	90.0	90.0	92.5	98.4	81.0	89.9	A
2067	x20	20.5	x19	22.3	26.5	25.0	94.3	91.5	91.5	85.0	85.0	66.5	81.5	86.0	100.0	81.5	86.4	B
2196	17.0	18.0	21.0	17.3	x12.5	x10	73.3	92.5	92.5	60.7	86.0	92.5	92.5	90.3	98.4	86.0	86.5	B
2309	20.0	x12	x13	22.3	13.5	24.0	79.8	81.0	81.0	59.5	59.5	65.5	65.5	68.7	95.2	46.3	64.4	C
2438	22.0	17.5	x18.5	24.8	x17.5	23.0	87.3	81.5	81.5	80.0	80.0	62.0	78.5	80.0	88.7	78.5	81.0	B
2448	24.0	27.0	27.0	27.0	x22.5	x23	105.0	95.5	95.5	95.0	95.0	84.4	100.0	96.8	100.0	100.0	99.3	A
2489	15.5	11.0	x10.5	22.3	x3.5	15.0	63.8	70.5	70.5	63.5	63.5	50.0	60.0	64.7	74.2	60.0	63.4	C
2503	27.0	x24	27.0	27.0	27.0	x23	108.0	84.0	95.0	100.0	100.0	98.5	98.5	97.8	100.0	95.0	98.6	A
2510	x18	20.0	27.0	x11.3	26.5	24.0	97.5	98.0	98.0	92.5	92.5	82.5	82.5	91.0	96.8	82.5	89.6	A
2526	18.0	24.5	x11.5	x11.3	16.5	14.0	73.0	86.0	86.0	88.0	88.0	79.5	79.5	84.5	95.2	75.0	80.0	B
2689	22.5	13.5	12.7	x8.3	10.5	x10	59.2	80.5	80.5	66.5	79.0	75.0	75.0	78.2	89.9	79.0	75.9	C
2804	20.0	x18	x18	25.8	26.5	19.0	91.3	90.5	90.5	86.5	90.0	92.0	92.0	90.8	98.4	90.0	90.9	A
2828	27.0	x25	27.0	26.3	x19.5	25.0	105.3	99.0	99.0	100.0	100.0	82.5	100.0	99.7	100.0	100.0	100.7	A
2971	27.0	x22.5	27.0	27.0	x22.5	25.0	106.0	91.5	97.5	100.0	100.0	100.0	100.0	99.2	100.0	97.5	99.8	A
3011	21.0	20.0	21.0	x7.3	26.0	x13	88.0	88.5	88.5	71.0	71.0	73.5	73.5	77.7	100.0	66.0	76.5	C
3015	21.0	14.0	x8	15.8	20.0	x7	70.8	69.5	69.5	48.5	61.0	79.0	79.0	69.8	95.2	61.0	68.2	C
3434	25.0	21.0	26.0	x12.3	x0	25.0	97.0	92.0	92.0	87.0	87.0	94.5	94.5	91.2	82.3	84.5	89.6	A
3704	23.5	24.0	x19.5	22.3	x15.5	20.0	89.8	72.9	72.9	62.0	77.5	78.0	78.0	76.1	74.8	77.5	78.7	C
3795	21.5	x14	24.0	23.3	22.0	x21	90.8	76.0	76.0	82.5	82.5	61.5	77.0	78.5	91.9	77.0	80.5	B
4099	x21	x23	27.0	27.0	27.0	25.0	106.0	98.0	98.0	97.5	99.5	100.0	100.0	99.2	100.0	99.5	100.4	A
4219	12.0	9.5	14.0	x1.3	x3.5	6.0	41.5	12.0	21.5	21.5	21.5	57.0	57.0	33.3	85.5	21.5	32.9	C
5072	x16.5	20.0	x14	22.3	22.5	24.0	88.8	87.5	87.5	69.0	69.0	68.5	86.5	81.0	100.0	86.5	84.8	B
5227	13.0	x7	7.5	x2.3	18.5	9.0	48.0	45.5	58.5	49.5	49.5	49.0	49.0	52.3	83.9	58.5	54.9	C
5234	17.5	15.0	x6	x13.3	24.5	23.0	80.0	89.0	90.0	95.5	95.5	93.0	93.0	92.8	100.0	90.0	90.2	A
5263	23.0	27.0	26.5	24.8	x18.5	x0	101.3	97.0	97.0	93.0	93.0	93.5	93.5	94.5	100.0	83.0	92.1	A
5293	19.0	21.0	16.0	x13.3	14.5	x4	70.5	80.0	80.0	70.5	70.5	68.0	70.0	73.5	98.4	70.0	72.9	C
5445	27.0	x20	26.0	x20.8	27.0	27.0	107.0	90.5	96.0	97.5	97.5	92.5	92.5	95.3	96.8	96.0	97.5	A
5486	27.0	27.0	27.0	x27	27.0	x27	108.0	98.5	100.0	100.0	100.0	100.0	100.0	100.0	96.8	100.0	101.2	A
5499	25.5	24.0	x21	23.3	27.0	x22	99.8	96.5	96.5	100.0	100.0	99.5	99.5	98.7	88.7	96.0	97.6	A

5656	x12.5	20.0	18.0	17.3	x11.5	14.0	69.3	67.5	67.5	67.5	67.5	57.5	70.5	68.5	93.5	70.5	70.3	C
5683	19.5	19.5	x14.5	x15.8	18.5	16.0	73.5	81.0	81.0	66.5	81.0	84.0	84.0	82.0	93.5	81.0	80.8	B
5693	27.0	x26	27.0	x23.3	27.0	27.0	108.0	95.0	100.0	100.0	100.0	100.0	100.0	100.0	95.2	100.0	101.1	A
5759	22.5	14.0	22.0	x13.3	21.0	x12	79.5	67.5	67.5	63.5	63.5	47.0	63.5	64.8	96.8	63.5	68.0	C
6013	27.0	27.0	27.0	x27	27.0	x27	108.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	100.0	101.2	A
6118	27.0	x0	27.0	27.0	27.0	x25	108.0	0.0	96.5	81.5	81.5	100.0	100.0	92.7	83.9	96.5	96.0	A
6234	23.0	26.0	18.0	x12.3	18.5	x16	85.5	93.0	93.0	85.5	85.5	79.0	81.0	86.5	98.4	81.0	85.1	B
6288	25.5	x22	27.0	25.8	27.0	x25	105.3	97.0	97.0	99.5	99.5	83.5	87.0	94.5	95.5	87.0	93.9	A
6745	20.5	24.5	26.0	x16.3	27.0	x19	98.0	97.0	97.0	88.5	88.5	88.5	88.5	91.3	98.4	84.5	90.5	A
6752	18.0	x13	15.0	x10.8	13.5	19.0	65.5	55.0	55.0	49.0	74.0	69.0	69.0	66.0	79.0	74.0	69.0	C
7099	18.8	23.0	18.0	x15.8	17.5	x14	77.3	96.5	96.5	96.5	96.5	67.0	100.0	97.7	88.7	100.0	94.8	A
7151	19.5	17.0	19.0	x15.8	x15.5	23.0	78.5	83.5	83.5	66.5	66.5	57.5	73.0	74.3	80.6	73.0	74.8	C
7399	22.0	22.0	x8	8.8	14.5	x6	67.3	42.0	42.0	47.5	47.5	31.5	31.5	40.3	80.6	26.5	41.8	C
7584	20.5	20.0	x0	x0	20.0	21.0	81.5	75.5	75.5	36.0	67.5	65.5	65.5	69.5	58.1	67.5	70.3	C
7653	25.0	x19	x13.5	23.3	20.5	27.0	95.8	91.5	91.5	85.5	87.5	87.5	87.5	88.8	96.8	87.5	89.8	A
7674	x24	26.5	27.0	27.0	27.0	x23	107.5	97.0	100.0	100.0	100.0	100.0	100.0	100.0	96.8	100.0	101.1	A
7809	x18	22.5	27.0	27.0	x16.5	25.0	101.5	95.0	95.0	96.5	96.5	100.0	100.0	97.2	98.4	93.0	96.6	A
7850	27.0	x20	25.5	27.0	x19.5	25.0	104.5	92.0	92.0	90.0	90.0	100.0	100.0	94.0	98.4	87.5	93.8	A
7865	25.5	21.5	27.0	22.3	x21.5	x21	96.3	85.5	85.5	91.0	91.0	56.0	91.0	89.2	98.4	91.0	91.3	A
7873	15.5	20.0	14.0	22.3	x8.5	x11	71.8	75.0	75.0	50.5	82.5	53.5	53.5	70.3	95.2	82.5	75.5	C
8138	22.5	x22	26.0	23.3	27.0	x21	98.8	64.0	86.0	73.5	73.5	89.5	89.5	83.0	90.3	86.0	86.8	B
8437	22.5	24.0	22.0	x20.8	x21.5	25.0	93.5	79.0	79.0	75.5	75.5	78.0	78.0	77.5	88.7	72.5	78.9	C
8478	25.0	x16	25.5	24.8	x19.5	27.0	102.3	93.0	93.0	86.5	90.0	97.0	97.0	93.3	95.2	90.0	93.8	A
8509	x19.5	24.0	27.0	24.8	x16.5	25.0	100.8	97.0	97.0	89.5	91.5	91.0	91.0	93.2	96.8	91.5	94.0	A
8514	26.6	26.5	27.0	27.0	x21.5	x23	107.1	90.5	90.5	78.0	78.0	68.5	88.5	85.7	96.8	88.5	90.4	A
8519	18.0	x16	x15.5	22.3	26.5	17.0	83.8	85.5	85.5	70.0	70.0	65.0	78.0	79.0	93.3	79.0	80.3	B
8551	21.0	23.5	26.0	x15.8	27.0	x0	97.5	92.5	92.5	85.0	85.0	67.0	83.0	86.8	96.8	83.0	87.7	B
8592	26.0	x18	24.5	25.8	x24.5	25.0	101.3	83.0	83.0	79.0	84.5	96.5	96.5	88.0	100.0	84.5	89.5	A
8675	x21	24.0	x22	27.0	27.0	25.0	103.0	88.0	100.0	93.0	93.0	100.0	100.0	97.7	100.0	100.0	99.4	A
8890	27.0	x19.5	27.0	22.3	27.0	x22	103.3	92.0	92.0	100.0	100.0	97.0	97.0	96.3	91.9	92.0	95.9	A
9111	x22	x22	26.0	27.0	25.5	27.0	105.5	98.0	98.0	93.0	93.0	89.0	89.0	93.3	91.3	67.0	86.8	B
9214	24.0	26.5	24.5	x23.3	x22.5	25.0	100.0	99.5	99.5	81.5	82.0	94.0	94.0	91.8	96.8	82.0	90.2	A
9378	17.0	13.5	x7	14.8	11.5	x8	56.8	79.0	79.0	58.2	69.5	63.5	63.5	70.7	100.0	69.5	69.2	C
9420	15.0	x14	x7.5	23.3	19.5	17.0	74.8	81.0	81.0	72.5	77.0	75.0	75.0	77.7	96.8	77.0	77.8	C

9986	24.0	x17	23.0	x12.3	22.0	25.0	94.0	89.5	89.5	82.5	98.0	85.0	85.0	90.8	100.0	98.0	94.0	A
9998	26.0	21.0	x16.5	22.3	x16	23.0	92.3	72.5	72.5	72.0	72.0	77.0	77.0	73.8	98.4	64.0	74.6	C
max	27.0	27.0	27.0	27.0	27.0	27.0	108.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100	100.0	101.2	
min	8.5	9.5	7.5	8.8	10.5	6.0	41.5	0.0	21.5	21.5	21.5	0.0	0.0	33.3	54.84	21.5	32.9	
ave	22.4	21.3	23.0	23.2	22.3	22.1	89.3	84.1	86.1	79.9	82.5	78.5	83.7	84.1	92.8	81.8	84.8	
ave %	89.6	85.0	91.9	92.9	89.1	88.3			***		***		***					