

# First Semester General Chemistry Exam

## Exam Format

70 questions in 110 – 120 minutes.

## Study Guide

Pay attention to material in the following sections:

- Atomic Structure
- Molecular Structure and Bonding
- Stoichiometry
- States of Matter/Solutions
- Energetics
- Descriptive Chemistry/Periodicity
- Laboratory Chemistry

See p. 113 for a copy of the data sheet that will be provided to you on the exam. See p. iv for a sample set of instructions that will be on the front page of the ACS exam.

## Grading Curve

Score / 70	National Percentile	Class Percentage	Score / 70	National Percentile	Class Percentage	Score / 70	National Percentile	Class Percentage
70	100	106	50	74	86	30	17	67
69	100	105	49	72	85	29	15	66
68	100	104	48	69	83	28	13	65
67	100	103	47	66	80	27	11	64
66	100	102	46	63	79	26	9	63
65	99	101	45	60	78.5	25	8	60
64	99	100	44	57	78	24	6	57
63	98	99	43	54	77.5	23	5	55
62	97	98	42	51	77	22	4	50
61	96	97	41	48	76.5	21	3	45
60	95	96	40	45	76	20	2	40
59	94	95	39	41	75.5	19	2	35
58	92	94	38	38	75	18	1	30
57	90	93	37	36	74	17	1	25
56	88	92	36	33	73.5	16	1	20
55	86	91	35	30	73	15	0	15
54	84	90	34	27	72	14	0	10
53	82	89	33	25	70	13	0	5
52	79	88	32	22	69	12	0	0
51	77	87	31	19	68	11	0	0

Note: Any student who scores *at or above* the 90th National Percentile will receive an 'A' grade for CHEM1141, unless two or more labs have received unexcused absences.

Note: A grade of C– or better in CHEM1141 is required in order to take CHEM1142.