

**COLORADO STATE UNIVERSITY
DEPARTMENT OF CHEMISTRY
PEER-GROUP SURVEY
May 2000**

Responding Department: «Company»

Workload.

Is your institution on a semester, quarter or other system? _____

What is the normal teaching load for totally *non*-research-active faculty (e.g., 2 courses of 3 credit hours/semester)? _____

What is the normal teaching load for research-active faculty? _____

Are there distinctions other than "research-active" and "non-research-active" made in assigning faculty teaching loads? If yes, briefly explain. _____

Undergraduate Program.

How many credit hours total are included in your General Chemistry program for majors?

Lecture _____ Laboratory _____ Recitation (if required) _____

If you provide required recitation sections, are they required for all semesters (quarters) of the major's General Chemistry course? _____ If not, which semesters have recitations? _____

If you offer required recitation sections for any courses other than General Chemistry please indicate which courses. _____

Do you have a faculty member assigned to coordinate the General Chemistry program? _____

If yes, is this a research-active faculty? _____

Is this the predominant or only teaching assignment for this individual? _____

Is coordinating General Chemistry considered a permanent or long-term assignment? _____
(Please add any additional information about this position, if it exists, that you feel might be helpful).

Undergraduate Program (cont.).

Do you have a faculty coordinator for Organic Chemistry? _____

Is this position similar to the position in General Chemistry? _____

What is the approximate average size of a General Chemistry lecture section _____? Organic Chemistry lecture section _____? Physical Chemistry lecture section? _____ An upper level majors course such as Instrumental Analysis or Inorganic Chemistry _____?

Divisional Structure

Does your department have a classical divisional structure, and if yes, what divisions are represented? _____

What functions do the divisions perform? (e.g., make teaching assignments, write cume exams)

If you do not have a classical divisional structure, how long has this been the case? _____

If you do not have a classical divisional structure, what type of structure do you have? _____

If you do have a classical divisional structure now, is there frequent and serious discussion about changing the system? _____

If so, what options have been discussed?

Thank you for your time and assistance in completing this survey.

I would like to receive a tabulation of the results of the survey. _____

I do not object if my department is identified by name in the tabulated results of this survey to be sent to participating departments (if your answer is "no" your department's identity will be kept anonymous). _____

WORKLOAD

UNDERGRADUATE PROGRAM
 Total Gen. Chem. Cr. Hrs.

Responding Dept.	Type	Non-Research Active Faculty	Active Research Faculty	Distinctions:	Lecture	Laboratory	Recitation	Required Recitations?	Which Semesters?	Required Recitations Other Courses	Assigned Faculty Member?	Is Faculty Member Research Active?	Predominant Teaching Assignment?	Permanent or Long Term Assignment?	Additional Info.	Faculty Coord. For Organic Chem.?
University of Colorado at Boulder	Semester	2 courses, 3-5 credits/sem.	1 course, 3 credits/sem., Biochem: 1 course, 3-5 credits/Aca. Yr.	Biochemistry division faculty assigned a different normal load	Combined 10-12 hrs.	Combined 10-12 hrs.	Combined 10-12 hrs.	n/a	n/a	Organic	Yes	No	Yes	Yes	Having a non-research active faculty member whose career is devoted to teaching in charge of our Gen. Chem. Program has been a good move for us.	No (staff)
Texas A&M University	Semester	2 courses, 3 Cr. Hrs./sem.	One 3Cr. Hr. course/sem.	Some course coordination (large multi-section courses). Some administrative assignments (Grad./Ungrad. Advisor) get some teaching relief.	Combined 4 hrs.	Combined 4 hrs.	Combined 4 hrs.	n/a	Recitation included in first sem. Gen. Chem. Course	n/a	Yes	No	Yes	Yes		Yes
Pennsylvania State University	Semester	3 courses, 3Cr. Hr./sem.	One 3Cr. Hr. course/sem.		5	2	1	No	First	Chem. 38 Honors	Yes	Yes	No	No		No
University of Oregon	Quarter	5-6 courses of 3Cr. Hrs., 3 quarters	2 courses & journal dub/3 quarters	Non-research active have double teaching loads	4	2	0			Biochemistry, Physical Chemistry	No	No	No	No	One person usually oversees General Chemistry but teaches a normal load, etc.	No
University of Wisconsin, Madison	Semester	1 course/sem.; asked to volunteer for 1 add'l course/yr.	One course/sem.	None	3	3	1	Yes		Physical, Analytical, Quant.	Yes	Yes	No	Yes		Yes
Purdue University	Semester	none	One 3Cr Hr. course/sem.	None	6	6	2	Yes		None	Yes	Yes	No	Yes		No
University of Minnesota	Semester	none	1 course, 4 Cr. Hrs./semester	Chair, Vice-Chair, Director of Graduate Studies and Director of Undergraduate Studies all have reduced teaching loads because of administrative loading	6	2	n/a	n/a	n/a	Analytical, Organic laboratory, Inorganic Laboratory	No	n/a	n/a	Yes	We have a Ph.D. chemist coordinating general chemistry laboratories, a "professional and academic" class employee	No
University of Utah	Semester	2 courses, 3-4 Cr. Hrs. per sem.	1 course 3-4 Cr. Hrs. per sem.	Gradation-based on overall level of research activity	8	2	included in lecture	Yes		All undergrad. Lecture courses except our advanced labs	No		falls under faculty committee on Undergrad. Education			No
Cornell University	Semester	3 courses, 3-4 Cr. Hrs.	2 courses 3-4 Cr. Hrs.	None	2	Combined 4 hrs.	Combined 4 hrs.	Yes			Yes	No	No	No	Rotates every 3 years	Yes
University of North Carolina at Chapel Hill	Semester	1 course 3 Cr. Hr., one semester and 2 courses 3 Cr. Hr. during 1 sem. And 1 course and lab during summer session.	2 courses / yr.	None	6	2	none	No	n/a	Chem. 136L, 160L, 170L, 181L, 141L, Lab Courses Only	Director of Undergraduate Studies	Yes	No	No		No

DIVISIONAL STRUCTURE

MISC.

Responding Dept.	Similar to position in Gen. Chem.?	Size of Gen. Chem. Lecture	Size of Organic Lecture	Size of Physical Lecture	Size of upper level course	Structures Represented	Functions Performed:	Non-Classical Structure Length	Current structure if non-classical	Discussion re: changing classical structure?	Options Discussed:	Would like to receive results	Objection to identification?
University of Colorado at Boulder	No	200-400	100-200	50-100	10-40	Analytical, Biochemistry, Organic, Physical, Inorganic	Recommend teaching assignments, recruit Grad. Students, organize seminar programs, form a basis for never-ending turf wars, recruit new faculty	n/a	n/a	Yes	Combining Divisions, putting faculty in more than one division. So far, a majority of our faculty remain in favor of a traditional divisional structure, much to the consternation of the chair.		No
Texas A&M University	Yes	250	100	50	25	Analytical, Physical, Organic, Inorganic	Teaching assignments, write cumes, set graduate core course requirements for students in their field, initiate faculty hiring, run seminar program (Grad. Student seminars as well as invited speakers).	n/a		Yes	We have a relaxed divisional structure. Faculty may be members of several divisions. The Biological Chemistry and Chem. Education groups have "quasi-divisional" status: group meetings, seminars, cumes (Biol. Chem.)	Yes	No
Pennsylvania State University	No	378	200	200	55			1989	Dept. Head leads faculty members who are informally organized around interest groups (analytical, organic, physical, biological, etc).			Yes	No
University of Oregon		250	250	60	30	Physical, Inorganic, Organic, Biochem.	Write cumes, give proposal exams, etc. Now all directed at graduate program.		(evolving away from divisions)	Yes	Keep divisions as intellectual areas but centralize teaching and graduate student requirements		No
University of Wisconsin, Madison	Head of organic research div. Makes teaching assignments	300	220	75	30	Organic, Inorganic, Analytical, Physical, Materials, Gen. Chem.	Teach, cumes, proposals, seminars, Material is similar but all members teach in other ??			No	Division boundaries have softened over time. Many faculty are members of two or more divisions but teach only one.	Yes	No
Purdue University		400	300	80	40	Analytical, Biochemistry, Inorganic, Organic, Physical & Chem. Educ.	teaching assignments, write cumes, seminar programs, committees for faculty promotions, etc.			No	Our divisional structure has evolved over the last 25 years or so from being rather rigid to very flexible	Yes	No
University of Minnesota	Yes - Ph.D. chemist coordinating organic laboratories	300	180	150	60	Specialty areas in Analytical, Biological, Inorganic, Materials, Organic & Physical. Also have a graduate program in chemical physics.	Recommend: teaching assignments, undergraduate and graduate program requirements and curriculum, and staffing needs. Administer area graduate program and social functions.	1988	Strong chair model with administrative advisory committee consisting of department chair, vice chair, directors of graduate and undergraduate studies, and the chairs of the space committee and the planning, staffing and resources committee			Yes	Yes
University of Utah		250	200	65	65	Analytical, Biological, Inorganic, Organic, Physical	Seminar programs; recommend teaching and other assignments to chair; write/grade cumes; select texts for larger service courses; provide advice to undergrad. And grad. Education committees			No		Yes	No
Cornell University	Yes	3-500	2@300	100	50		n/a	1866	Chair, Executive Director, Director of Grad. Studies				No
University of North Carolina at Chapel Hill		321	168	70	90	Organic, Inorganic, Analytical, Physical, Biochemistry	Making teaching assignments, writing exams			Yes		Yes	No

WORKLOAD

UNDERGRADUATE PROGRAM
Total Gen. Chem. Cr. Hrs.

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University of Washington	Quarter	4-5 courses/yr., credits vary from 3-6, avg. 2.3 courses/yr.	Avg. of 2,3 courses/yr.	Yes, the range of contribution to non-classroom graduate education is recognized by varying teaching loads.	10	3	3	Yes		2 of 3 courses in organic, quantitative chem.	No, 3 lecturers, an associate chair and a faculty committee.	n/a	n/a	n/a		No
University of Illinois at Champaign-Urbana	Semester	2 courses, sometimes higher enrollment	2 courses	Not explicit, but those highly involved in service often get lighter loads in terms of lab courses or seminar courses	6	5			Third	1st semester for organic majors	No, he has a special faculty appt. unlike any at the Univ.	No	Yes	Yes		Yes
Iowa State of Science and Technology	Semester	2 courses, 3 Cr. Hrs./semester	1 course, 3 Cr. Hrs./semester	Some faculty have administrative buy-outs	5	1	2	Yes		None	Yes	Yes	Yes	Yes		No
University of Georgia	Semester	2 courses, 3 Cr. Hrs./semester	1 course, 3 Cr. Hrs./semester	One semester release for Grad. Coordinator, Undergrad. Coordinator, some special titled profs.	6	2	0	No	n/a		Yes	No	No	Yes	General Chem. Coordinator is 12-month tenure-track faculty position teaching two 3-credit hour lecture sections per semester plus one in summer in addition to coordinating. One Academic Professional (permanent, non-tenure track) position "works for" coordinator in laboratory program (and teaches one course/semester).	Yes
University of Michigan	Semester	2 courses, 3 Cr. Hr./semester	1 course, 3 Cr. Hr./semester		1(125) 3(130)	4	1(130)	Yes		Chem 210, 230, 302, 451, 452, 461, 463	Yes	Yes	Yes	No		Yes

DIVISIONAL STRUCTURE

MISC.

Responding Dept.	Similar to position in Gen. Chem.?	Size of Gen. Chem. Lecture	Size of Organic Lecture	Size of Physical Lecture	Size of upper level course	Structures Represented	Functions Performed:	Non-Classical Structure Length	Current structure if non-classical	Discussion re: changing classical structure?	Options Discussed:	Would like to receive results	Objection to identification?
University of Washington	n/a	250	200	75	40	Analytical, Inorganic, Organic, Physical	Teaching assignments, 2nd year exams, and a seminar program	n/a	n/a	Yes	Clusters of faculty based on interest. Expand list of clusters, faculty could have multiple memberships. We actually have this now in addition to the divisional structure.	Yes	Yes
University of Illinois at Champaign-Urbana	No	302	120	25	80	Administered by areas: A,I,O,P, Chem, Biol, Materials	Teaching assign., cumes, seminars, record keeping, recruiting...	n/a	n/a	No	-	Yes	No
Iowa State of Science and Technology		200	100	50	20	Organic, Inorganic, Analytical, Physical	Make teaching assignments, write cume exams, recruit new faculty, recruit graduate students, run seminar programs			Yes	Not abandoning the divisional structure, but weakening it's power.	Yes	No
University of Georgia	Yes	350	250	50	40	We have barely recognizable interest areas (A,I,O,P)	They perform no administrative functions, but run their own graduate student seminar programs.	1997	No internal structure, everything is department wide (with exception noted above and multiple curricular tracks for Grad. Students).			Yes	Yes
University of Michigan	No	200-450	160-350	30-75	14	Analytical, Biochemistry, Inorganic, Materials, Organic, Physical	course development, cume exams, research proposals, student seminars, departmental seminars, recruitment materials			No		Yes	

Peer Survey List

University Name	Relative Ranking/ Chemistry Program
Michigan State University	39.0
Iowa State University	26.0
Ohio State University	22.0
Purdue University	24.0
University of Washington	28.5
University of Utah	31.5
University of California, Davis	47.5
University of Oregon	41.0
University of Colorado, Boulder	42.0
University of Southern California	40.0
University of Georgia	49.0
Pennsylvania State University	19.0
Texas A & M University	15.0
University of Wisconsin, Madison	10.0
University of Illinois, Champaign-Urbana	8.0
Cornell University	6.0
University of Minnesota	21.0
University of Arizona	Not ranked
University of Texas, Austin	13.0
University of North Carolina, Chapel Hill	17.0
University of Michigan	35.0

11-13-00

