



Wisdom to make a difference.

Office of Institutional Research

National Study of Instructional Costs and Productivity
Keene State College
Fall 2009

Prepared by the Office of Institutional Research
August 2011

Who is teaching what to whom, and at what cost?

The National Study of Instructional Costs and Productivity (the 'Delaware Study'), provides participants the ability to assess their own departmental costs and productivity within their own organization and measure their effectiveness against national benchmarks. National benchmarks are produced for each discipline for which a minimum of 5 institutions submit data, and are arranged by Carnegie Institution Type.

Teaching workloads are analyzed by faculty type, i.e., tenured and tenure track; other permanent faculty; supplemental faculty; and graduate teaching assistants. The definitions used to determine faculty type for this study are as follows:

Regular Faculty:

Regular faculty are defined as those individuals who are hired for the purpose of doing teaching, and who may also do research and/or service. They are characterized by a **recurring** contractual relationship in which the individual and the institution both assume a continuing appointment. These faculty typically fall into two categories:

Tenure/Tenure Track: Those individuals who either hold tenure, or for whom tenure is an expected outcome. At most institutions, these are full, associate, and assistant professors.

Other Faculty: Those individuals who teach on a **recurring** contractual basis, but whose academic title renders them ineligible for academic tenure. At most institutions, these titles include instructors, lecturers, visiting faculty, etc.

Supplemental Faculty (Adjunct):

Supplemental faculty are characteristically paid to teach out of a pool of **temporary** funds. Their appointment is **non-recurring**, although the same individual might receive a temporary appointment in successive terms. The key point is that the funding is, by nature, temporary and there is no expectation of continuing appointment. This category includes adjuncts, administrators or professional personnel at the institution who teach but whose primary job responsibility is non-faculty (e.g. dean, provost who may teach a course), contributed service personnel, etc.

Table of Contents	Page
Percentages of Student Credit Hours Taught by Faculty Type	4
Arts and Humanities	
1. Art	6
2. Communications/Journalism/Philosophy	7
3. English	8
4. Film	9
5. History	10
6. Modern Language	11
8. Music	12
9. Theatre, Arts and Dance	13
10. Women's Studies	14
Sciences	
1. Biology	16
2. Chemistry	17
3. Computer Science	18
4. Economics	19
5. Environmental Studies	20
6. Geography	21
7. Geology	22
8. Management	23
9. Math	24
10. Physics	25
11. Political Science	26
12. Psychology	27
13. Social Science	28
14. Sociology	29
Professional Studies	28
1. Education	31
2. Health Science	32
3. Physical Education	33
4. Technology, Design & Safety	34
5. Education - Graduate	35
Full time Equivalent Instructors by Faculty Type	36
Direct Instructional Cost per Student Credit Hour	37

Percentages of Student Credit Hours Taught by Faculty Type

Undergraduate Disciplines	Faculty Type														
	Tenure/Tenure Track					Supplemental					Other				
	2006	2007	2008	2009	Comp**TT	2006	2007	2008	2009	Comp**Sup	2006	2007	2008	2009	Comp**Oth
Arts and Humanities															
Art	54	53	46	45	70	41	43	54	45	14	5	4		10	10
Com/Jrn/Phil	32	30	34	34	59	68	64	58	56	23		6	7	10	15
English	41	41	40	37	52	56	59	60	59	28	3			4	14
Film	17	29	25	35	62	61	71	75	59	16	22			5	14
History	48	60	62	54	67	32	40	38	46	23	20				9
Languages	41	48	54	46	53	49	45	46	54	29	9	7			13
Music	30	21	13	26	56	49	69	76	66	31	21	10	11	9	6
Theatre & Dance	48	27	28	21	60	45	65	64	72	24	8	8	8	7	9
Women's Studies		39		34	60		61		66	48					13
Sciences															
Biology	56	45	40	36	71	34	55	60	52	13	10			11	10
Chemistry	61	57	33	42	75	39	32	53	58	13		11	14		10
Computer Science	41	33	30	25	71	59	67	70	75	16					10
Economics	22	67	56	62	73	78	33	44	38	15					9
Environmental Studies*				46	79				31	12				24	8
Geography	53	65	36	57	76	34	35	48	43	15	13		15		6
Geology*	37	25	23	13	78	63	75	77	87	13					6
Management	59	52	56	52	66	41	48	44	48	22					12
Math	69	45	50	41	58	31	55	50	55	22				5	16
Physics	71	33	25	28	72	29	67	75	72	13					13
Political Science	57	55	54	45	74	43	45	46	55	18					5
Psychology	64	57	58	59	71	36	43	43	41	21					6
Social Science		100	42	42	62			58	58	28					9
Sociology	56	57	47	56	69	41	43	52	39	19	3		2	5	8
Professional Studies															
Education	49	49	58	50	60	42	44	33	43	27	9	6	9	7	13
Health	53	49	39	37	51	47	51	59	57	28			1	6	15
Physical Education	76	66	47	58	54	20	23	53	29	17	4	11		13	24
Technology, Design & Safety	38	49	51	52	61	45	46	35	36	22	17	5	14	11	14
Graduate Disciplines															
Education	75	80	75	66	62	25	17	25	23	27		4		11	5
Sociology												100	100		

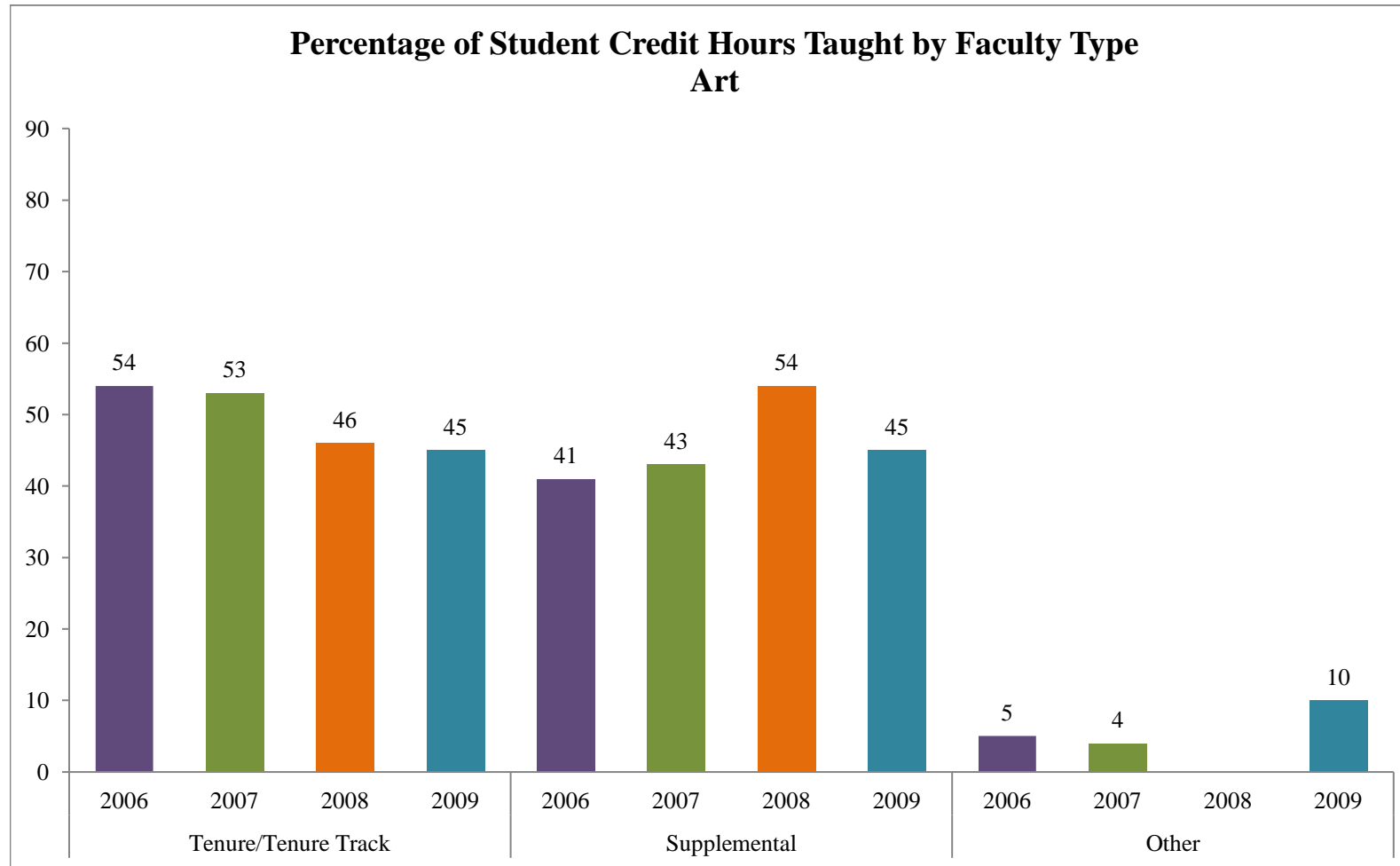
* Prior to 2009 ENST was included in Geology's budget line

** Comparator Data by Carnegie classification

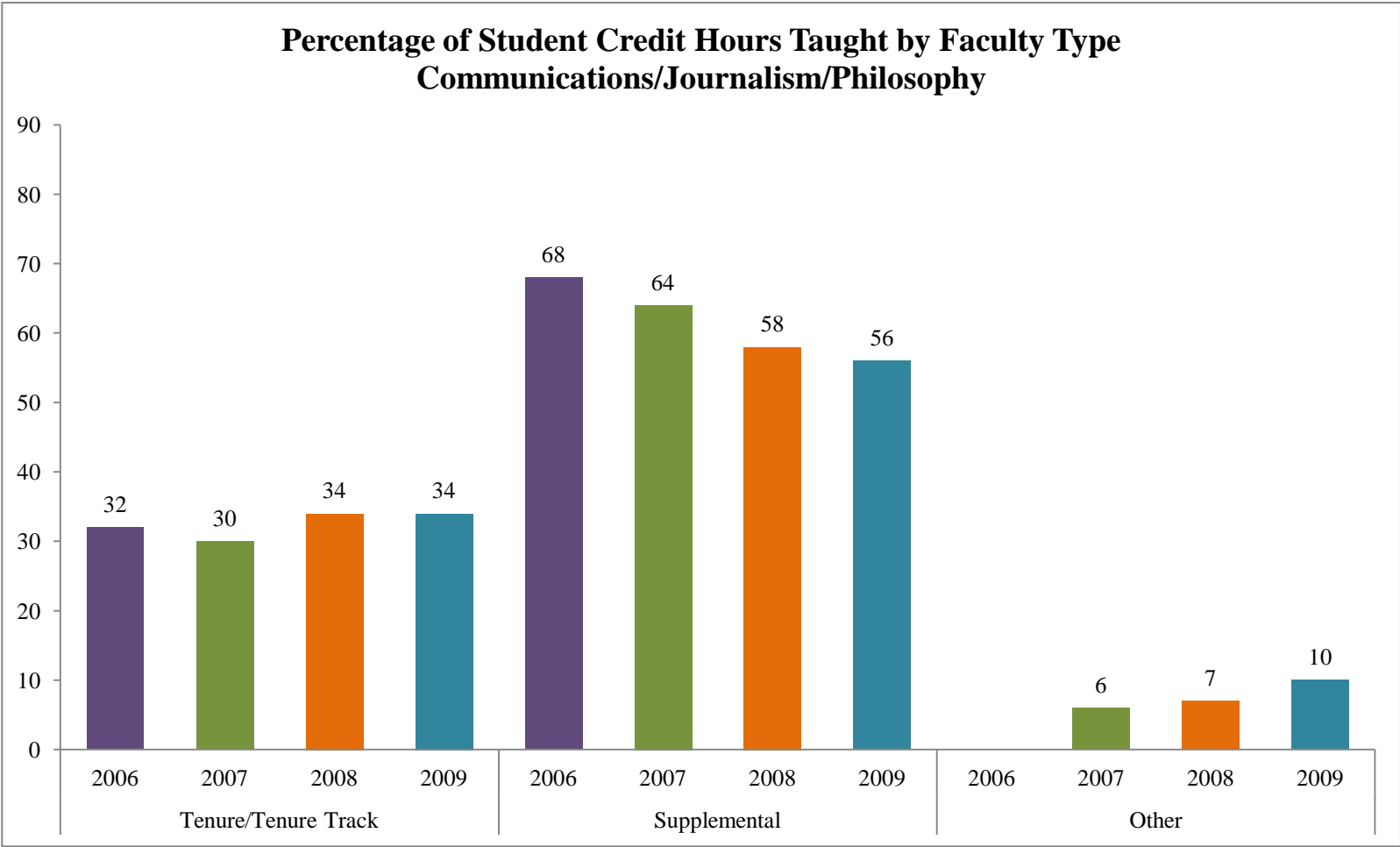
Percentage of Student Credit Hours Taught

Arts & Humanities

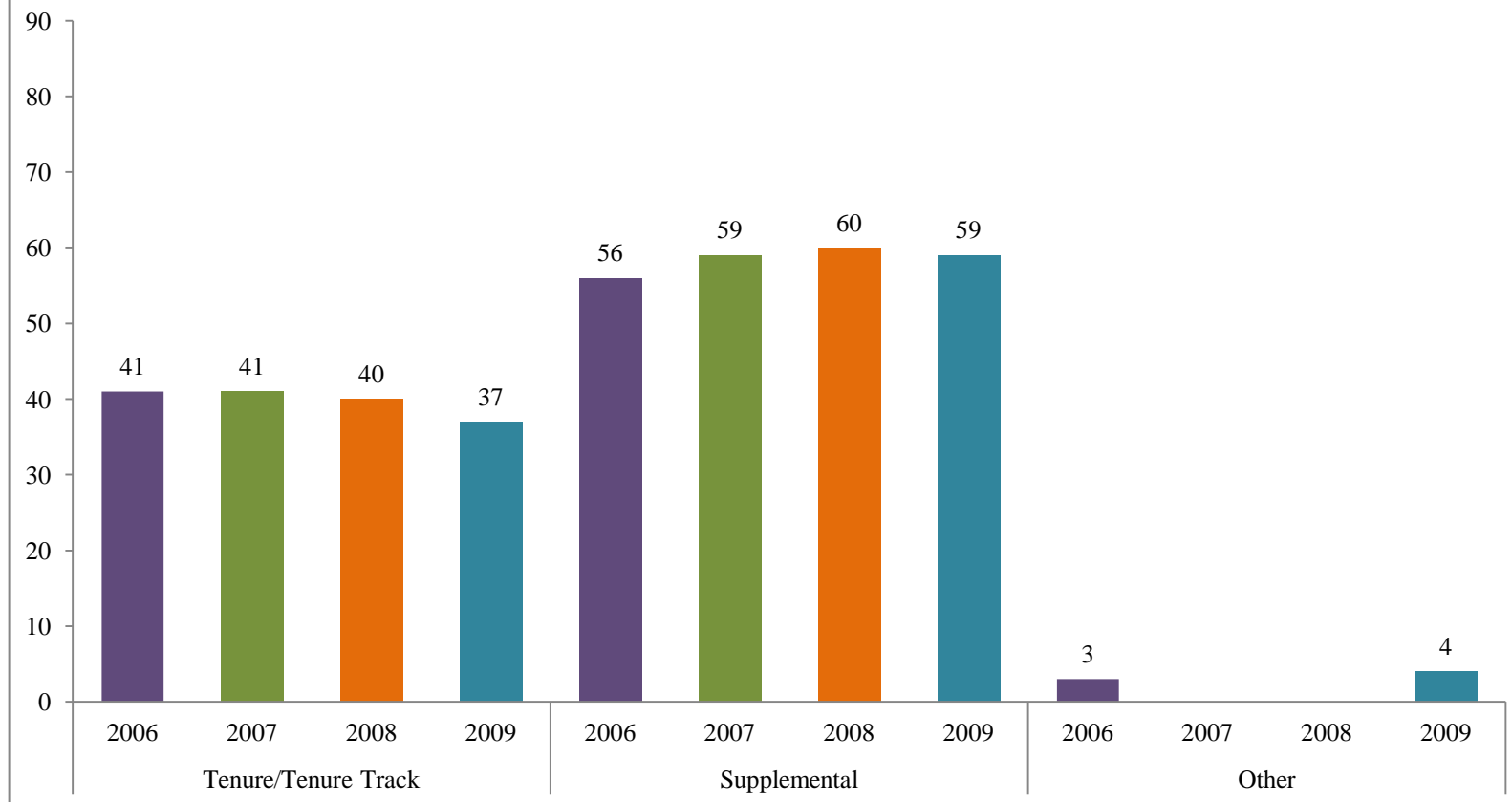
**Percentage of Student Credit Hours Taught by Faculty Type
Art**



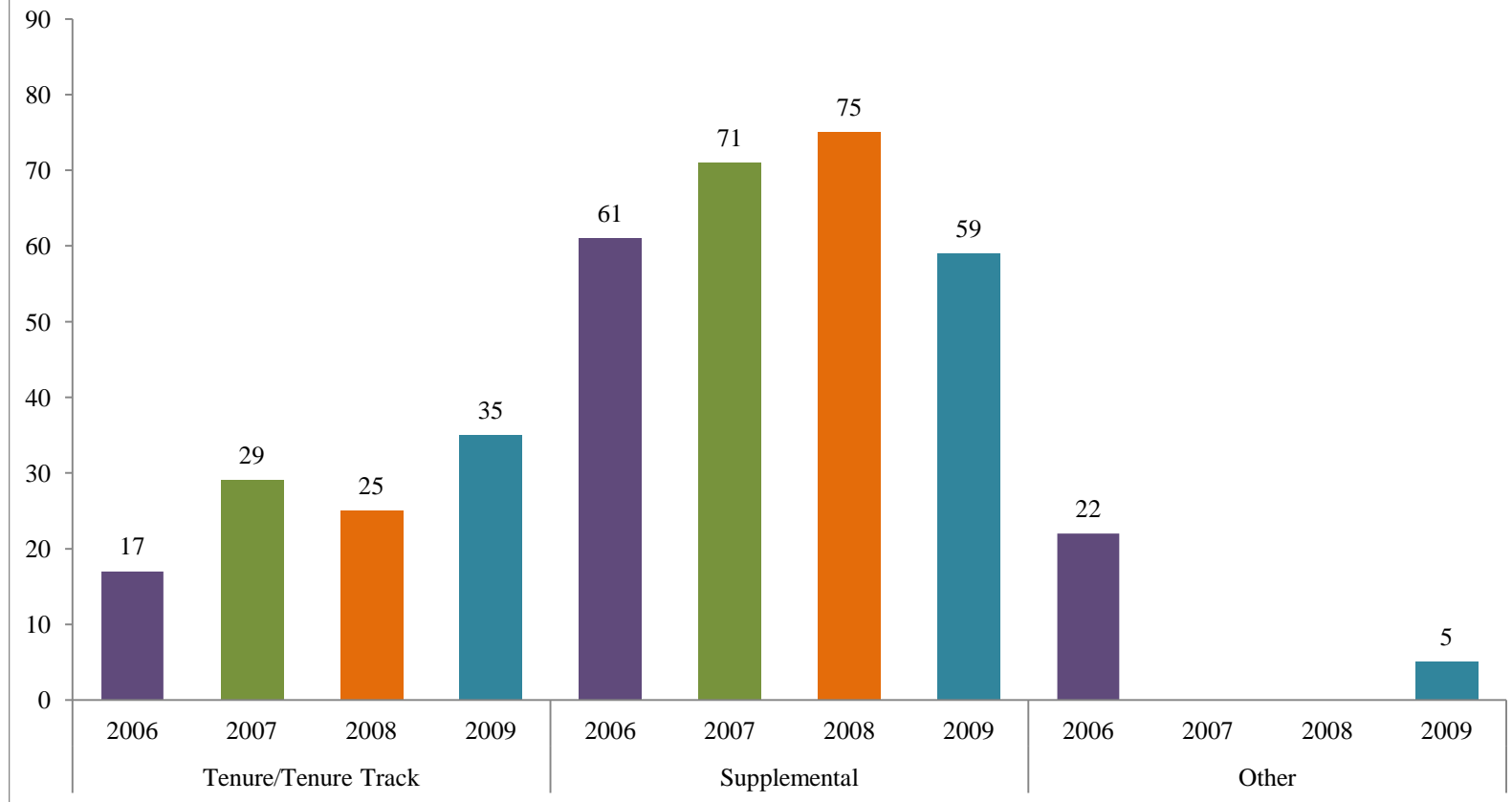
**Percentage of Student Credit Hours Taught by Faculty Type
Communications/Journalism/Philosophy**

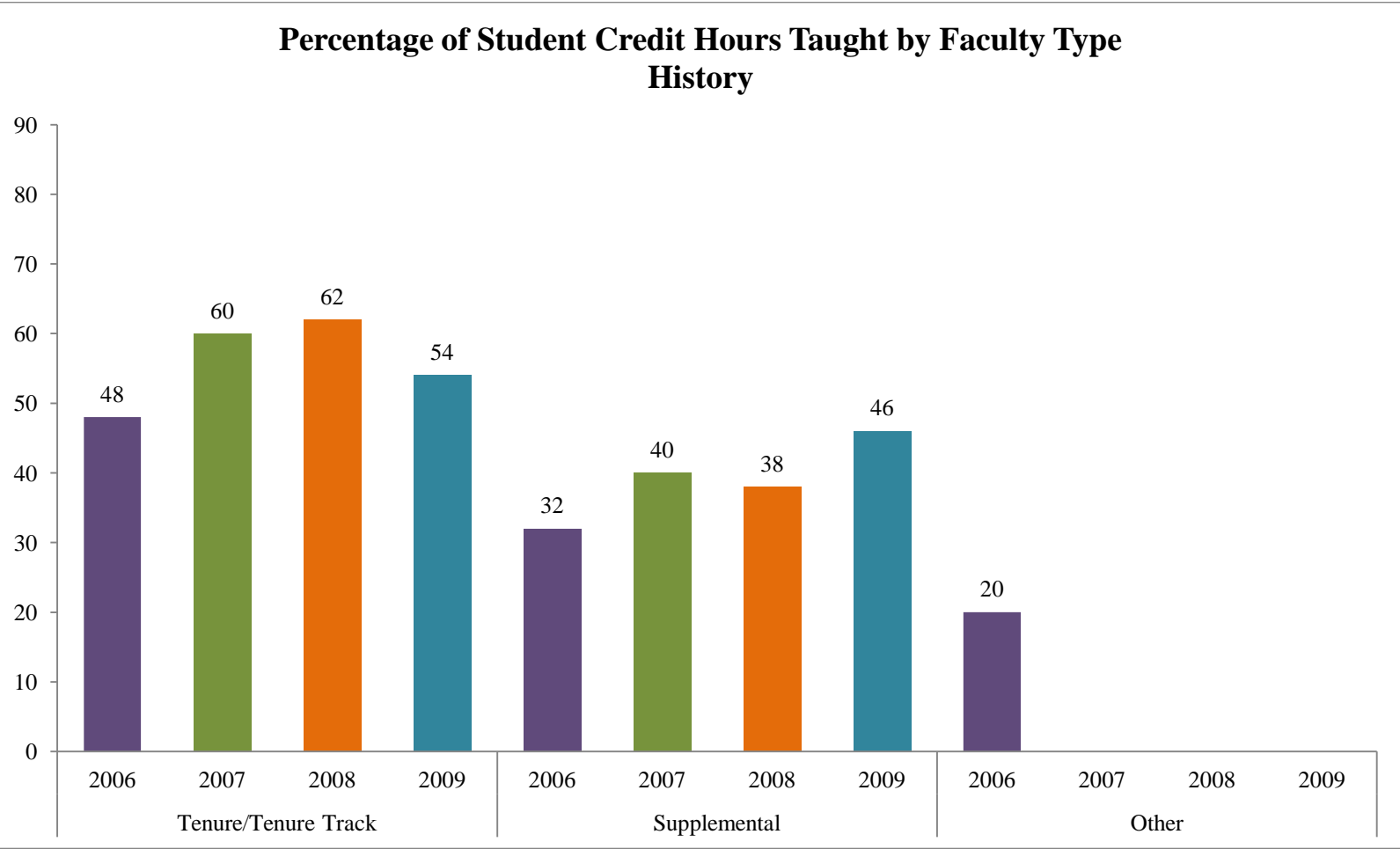


**Percentage of Student Credit Hours Taught by Faculty Type
English**

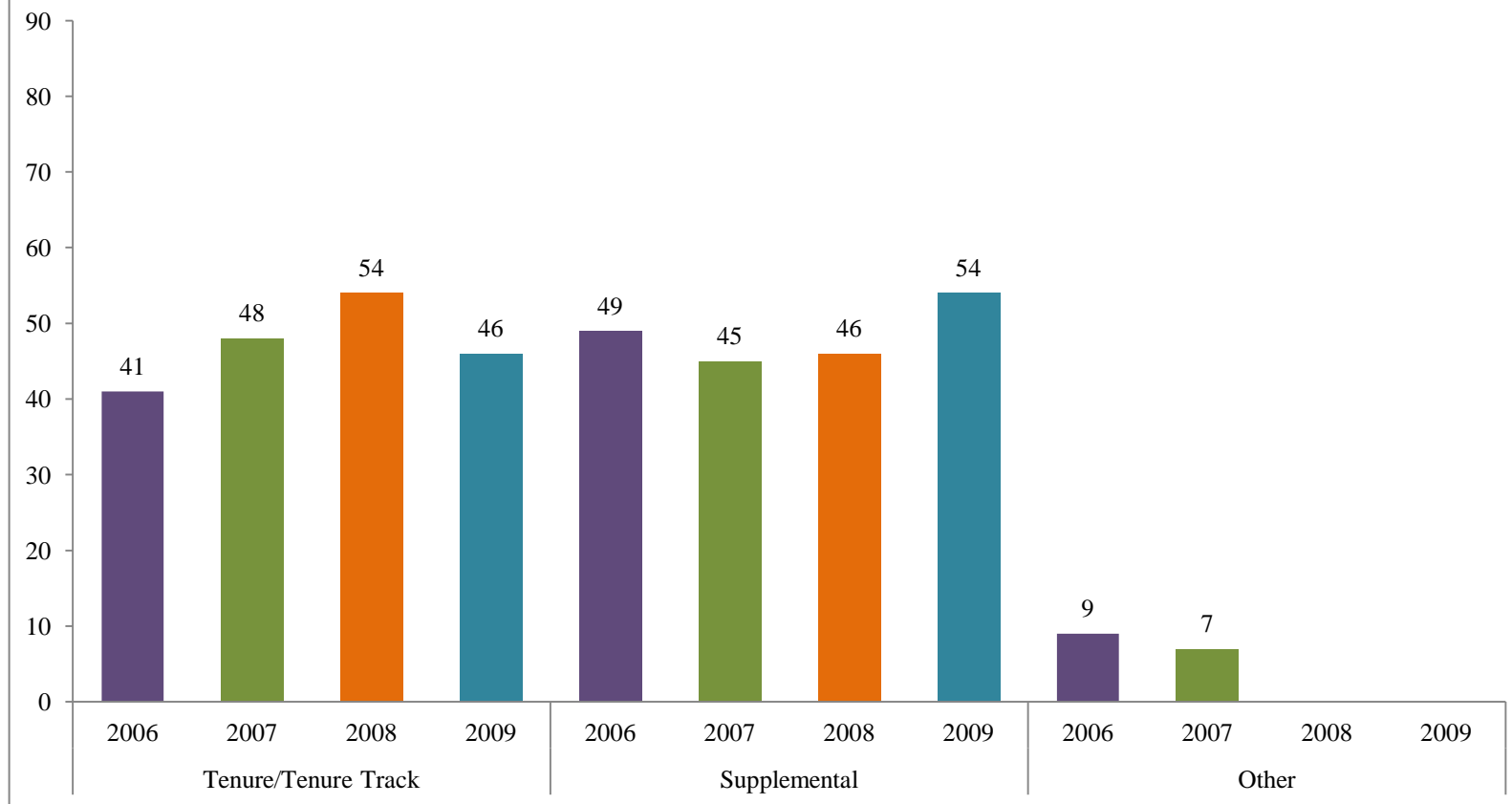


**Percentage of Student Credit Hours Taught by Faculty Type
Film**

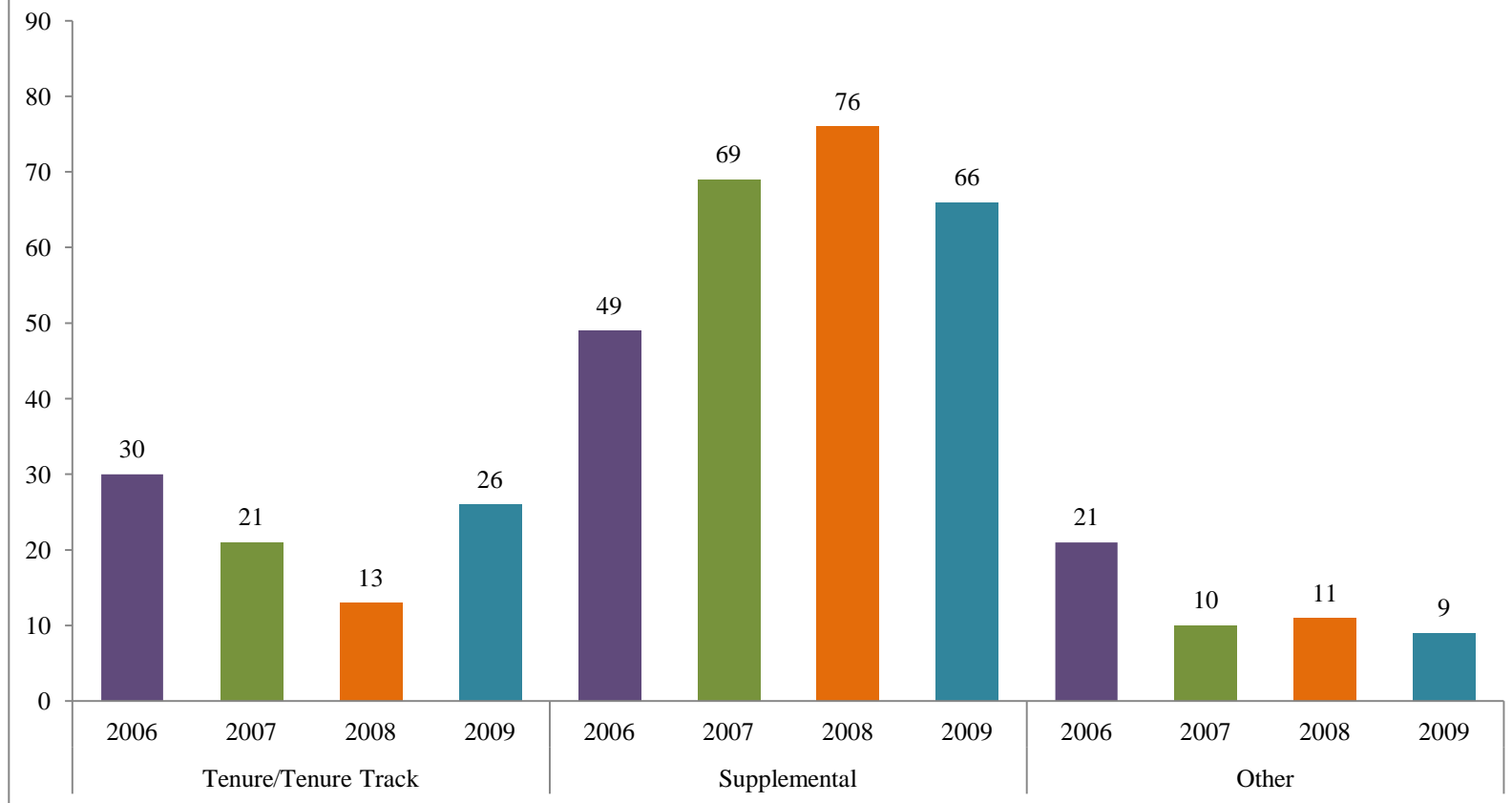




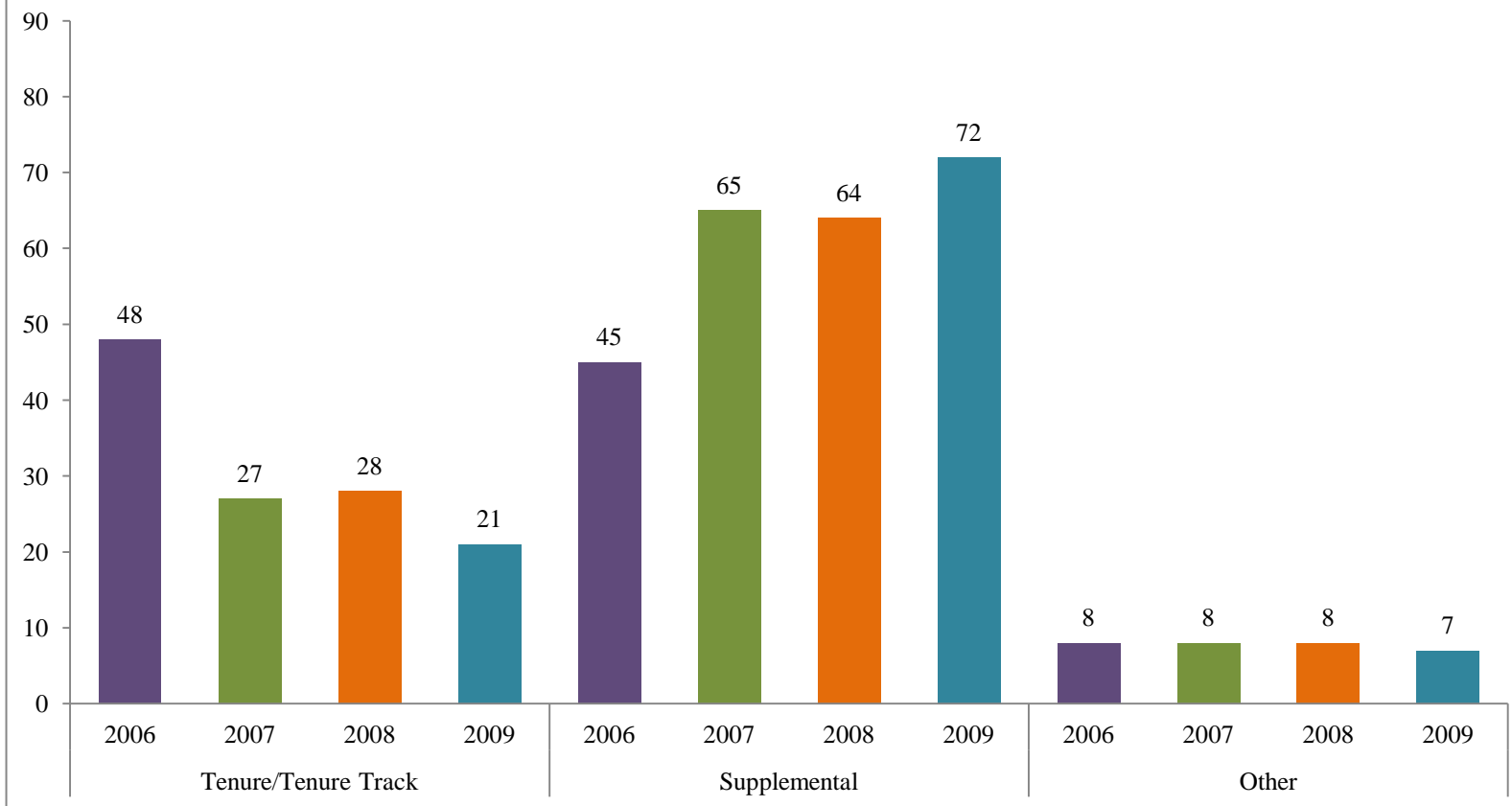
**Percentage of Student Credit Hours Taught by Faculty Type
Modern Language**



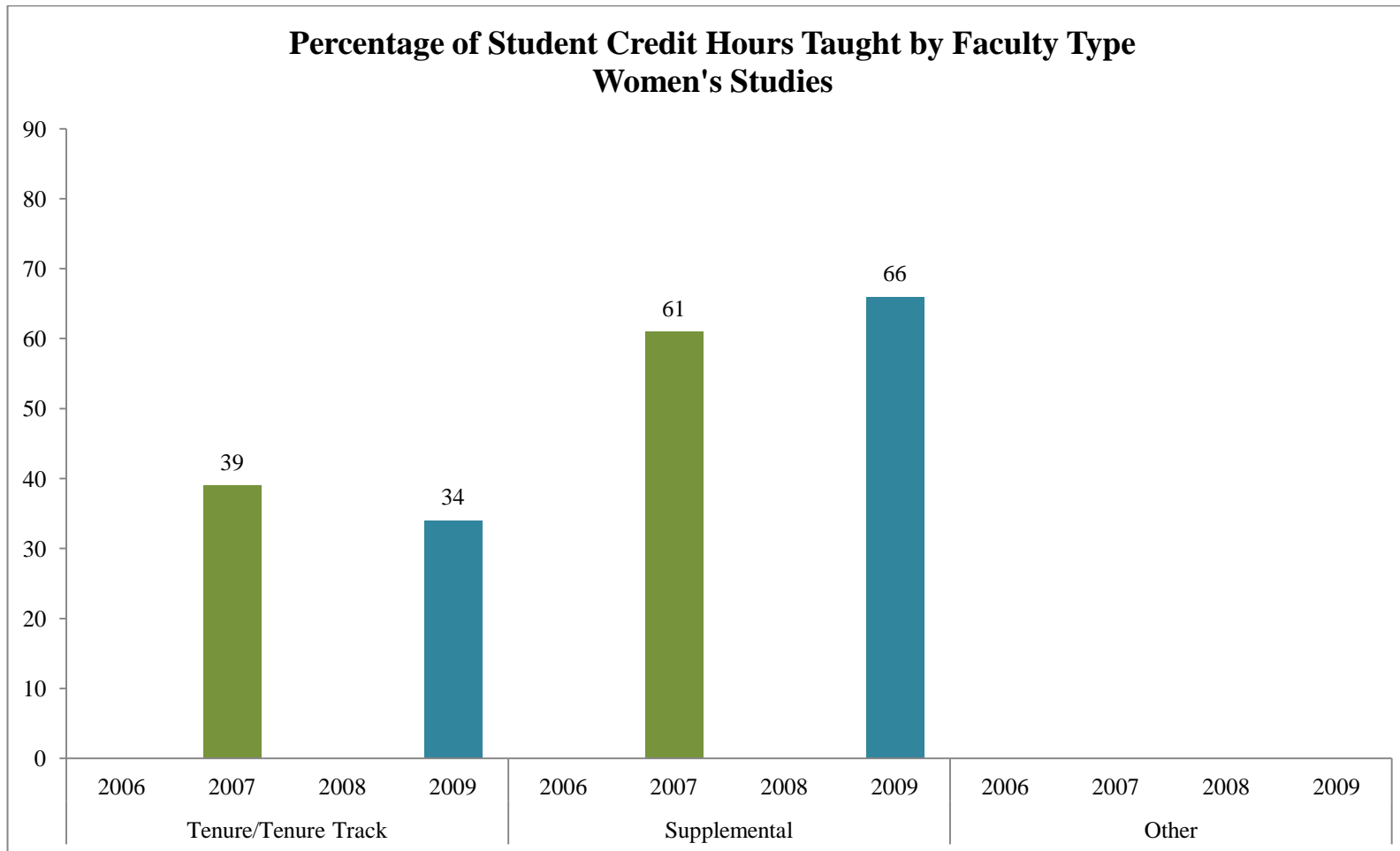
**Percentage of Student Credit Hours Taught by Faculty Type
Music**



**Percentage of Student Credit Hours Taught by Faculty Type
Theatre, Art & Dance**



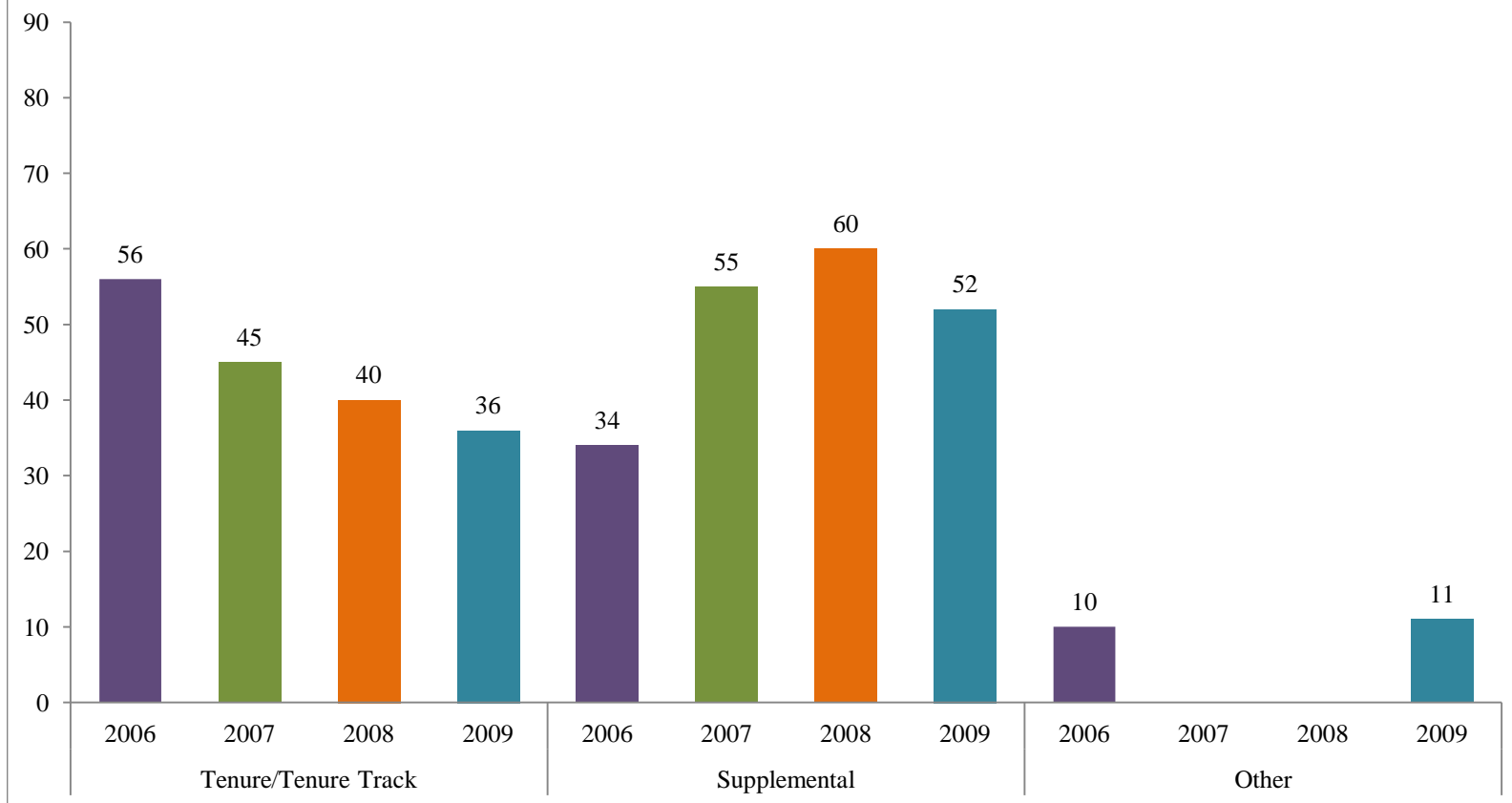
**Percentage of Student Credit Hours Taught by Faculty Type
Women's Studies**



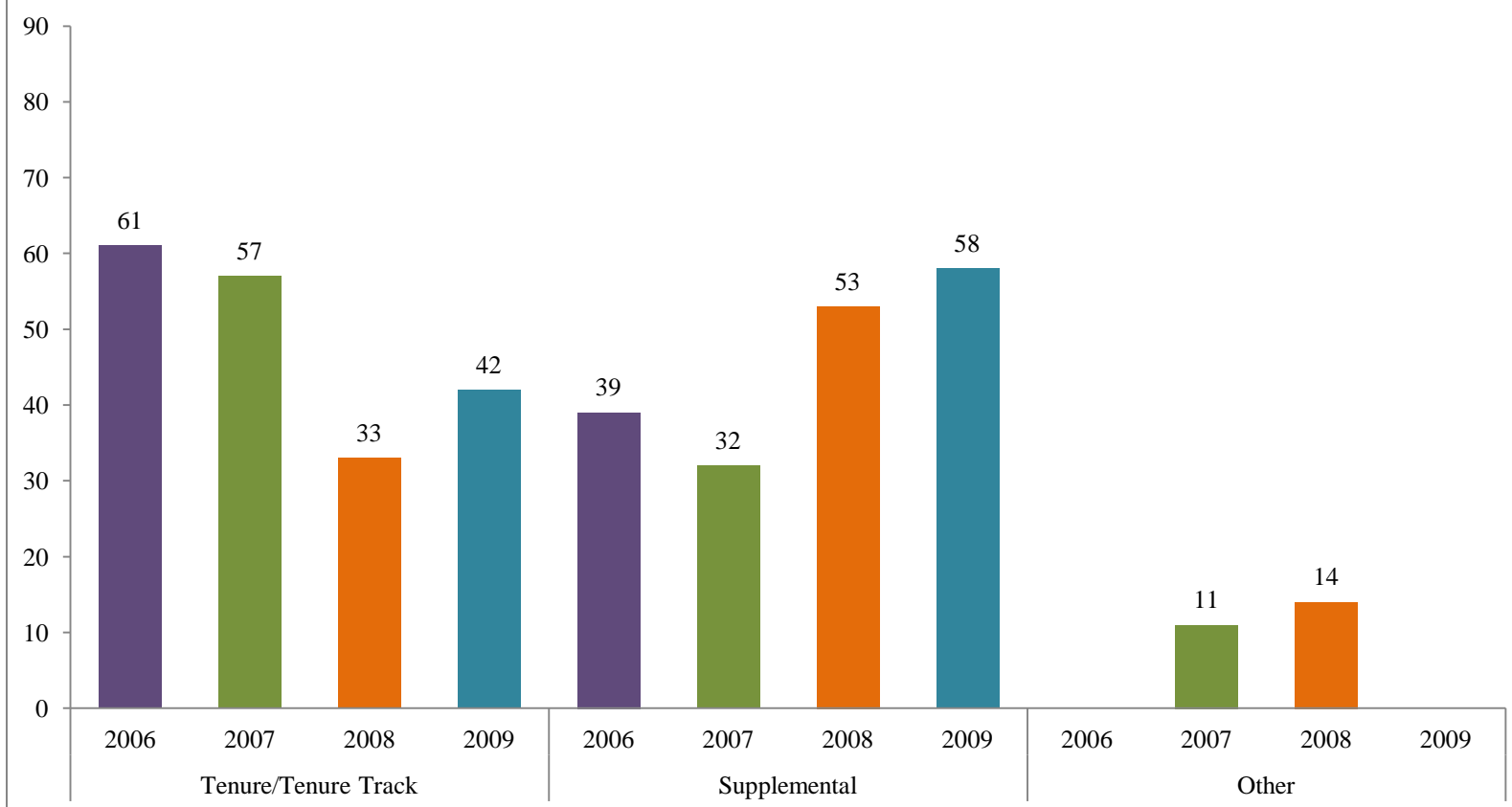
Percentage of Student Credit Hours Taught

Sciences

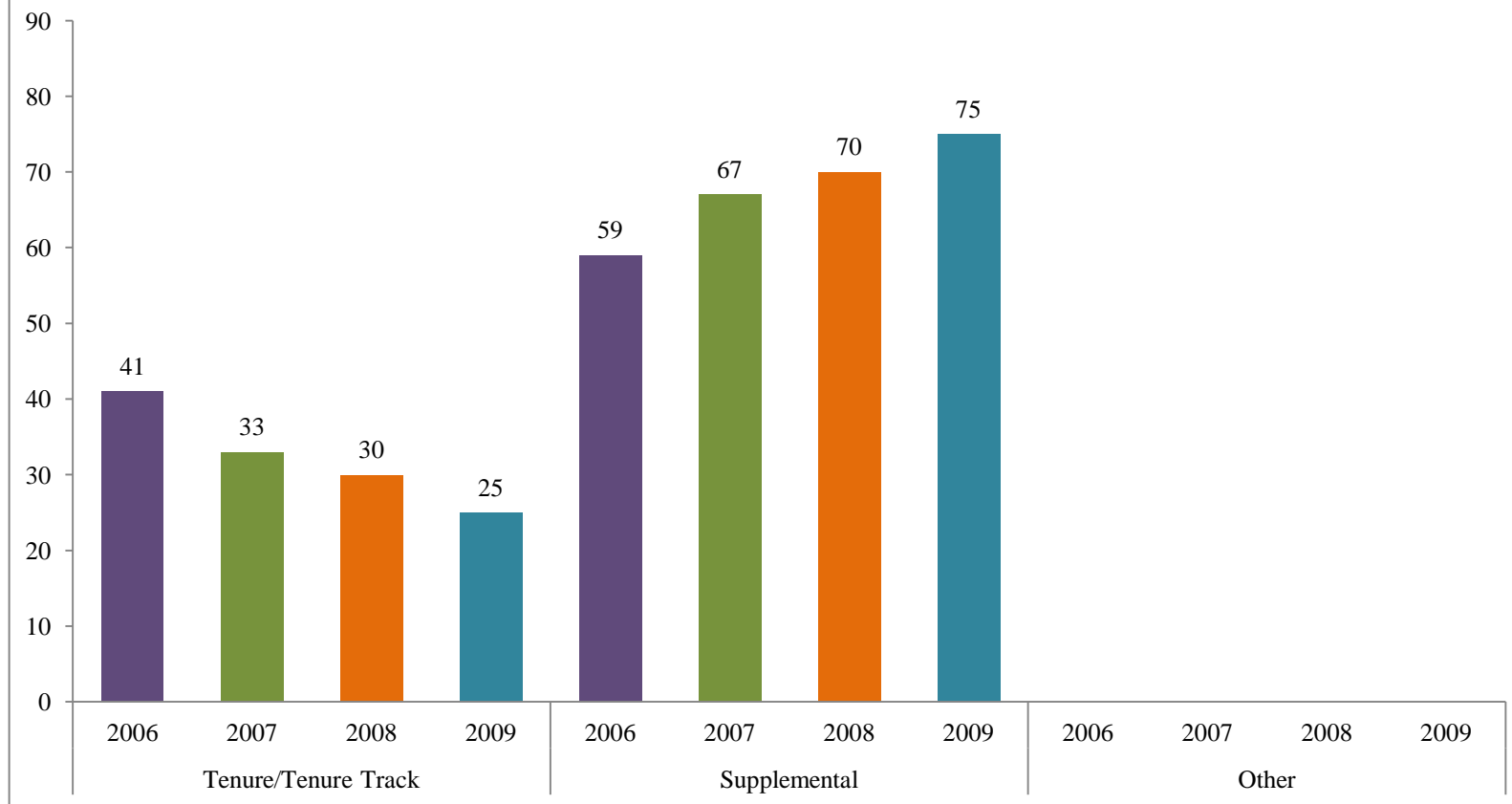
**Percentage of Student Credit Hours Taught by Faculty Type
Biology**



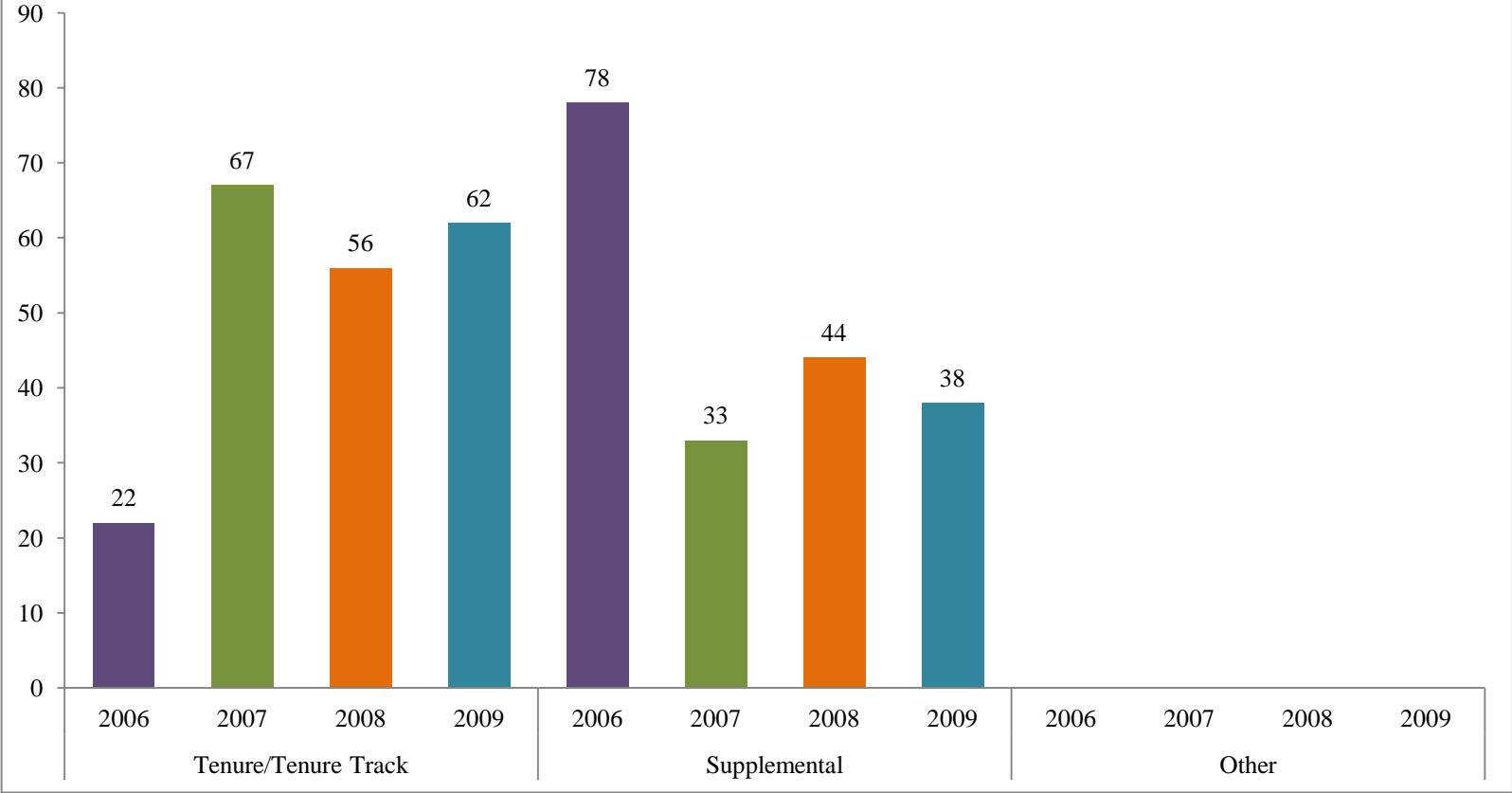
**Percentage of Student Credit Hours Taught by Faculty Type
Chemistry**

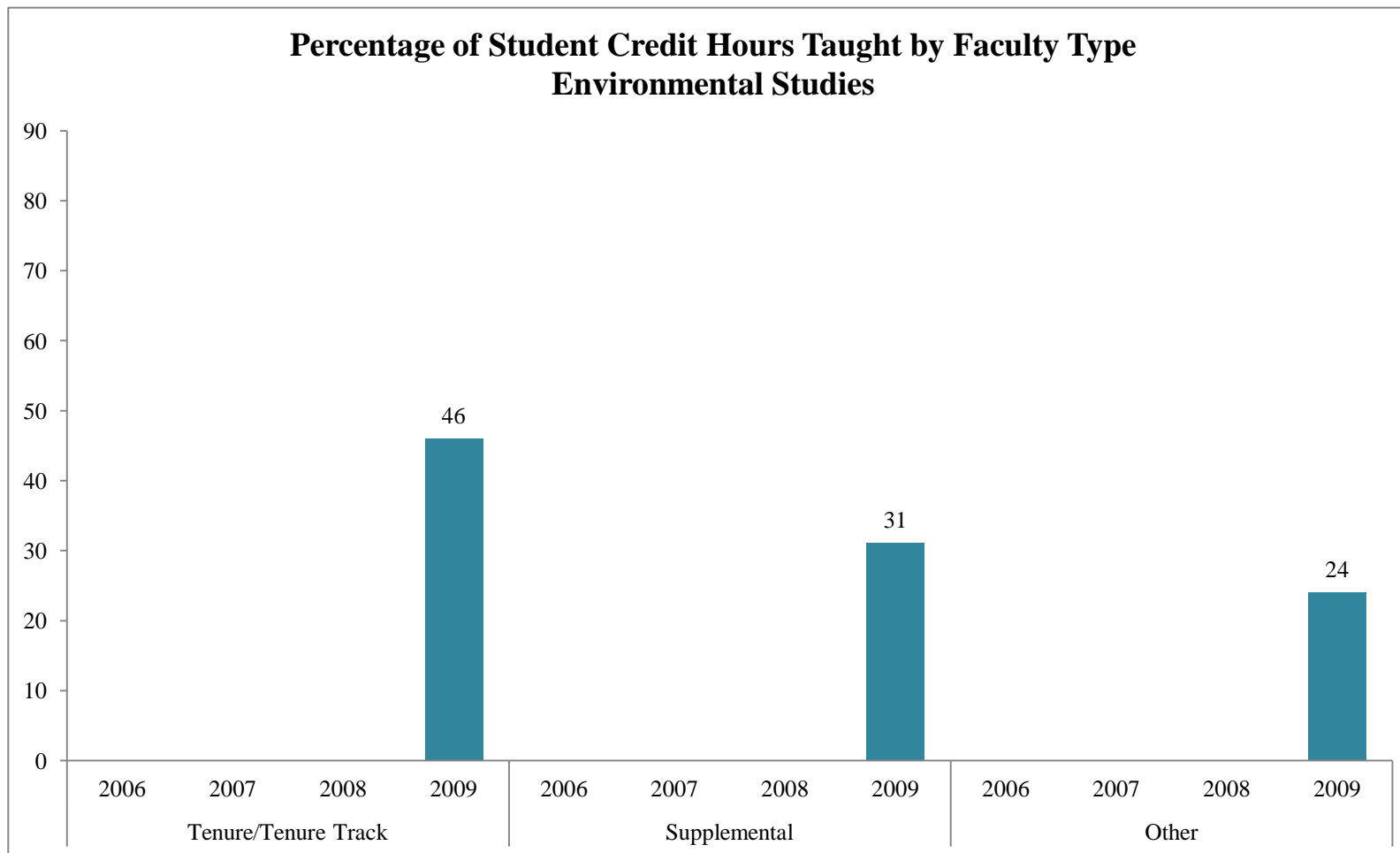


**Percentage of Student Credit Hours Taught by Faculty Type
Computer Science**



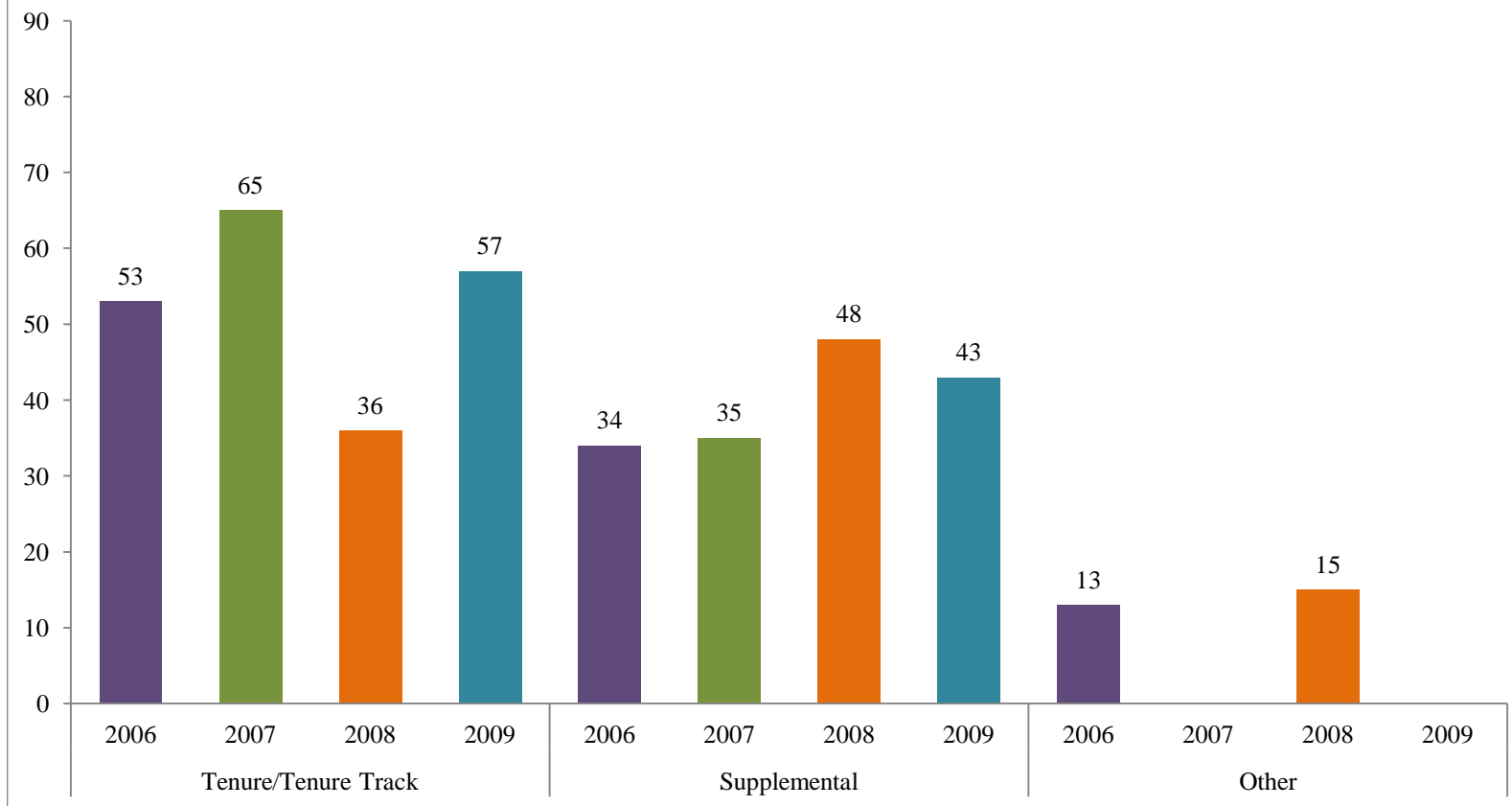
**Percentage of Student Credit Hours Taught by Faculty Type
Economics**

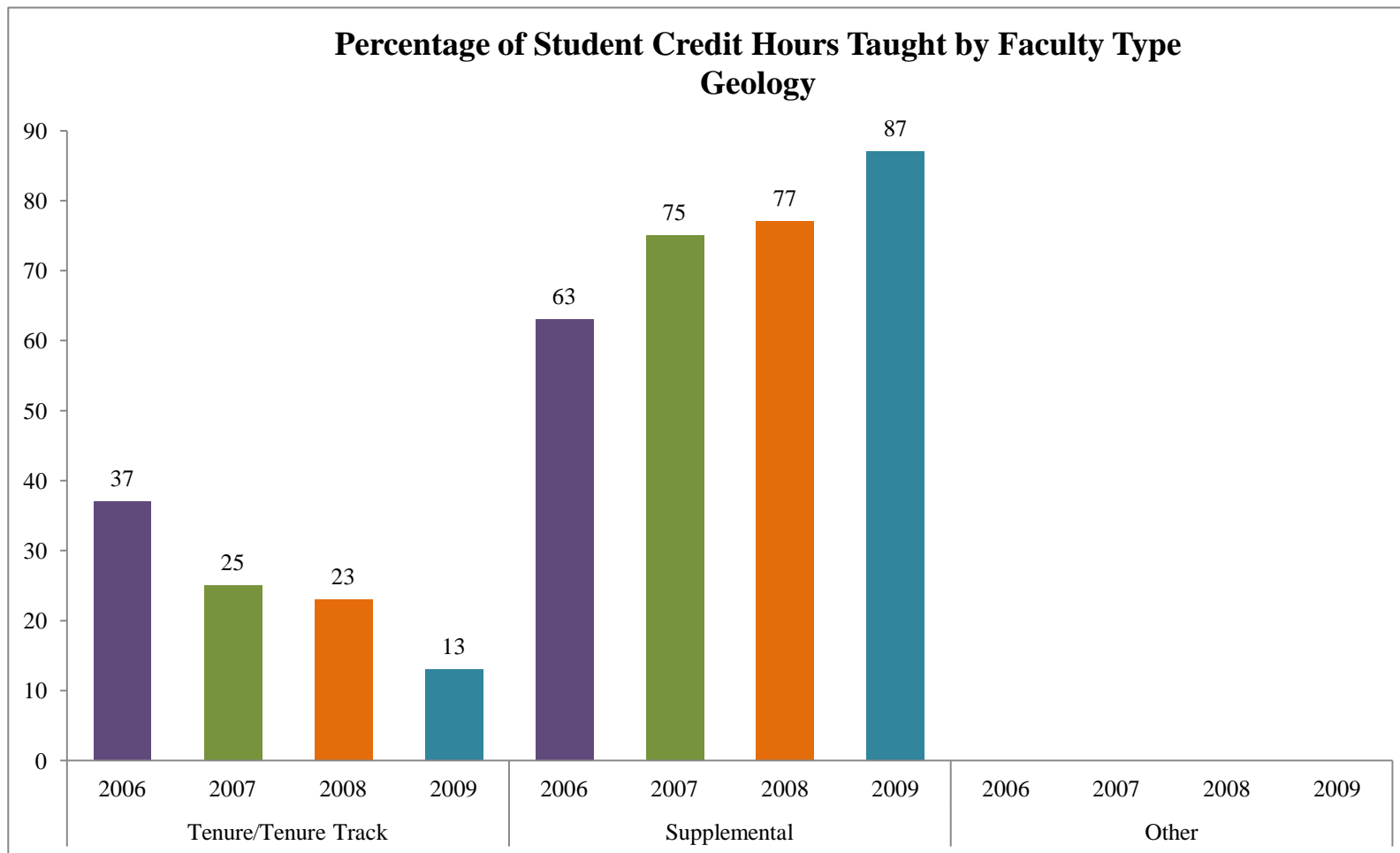




* Prior to 2009 ENST was included in Geology's budget line

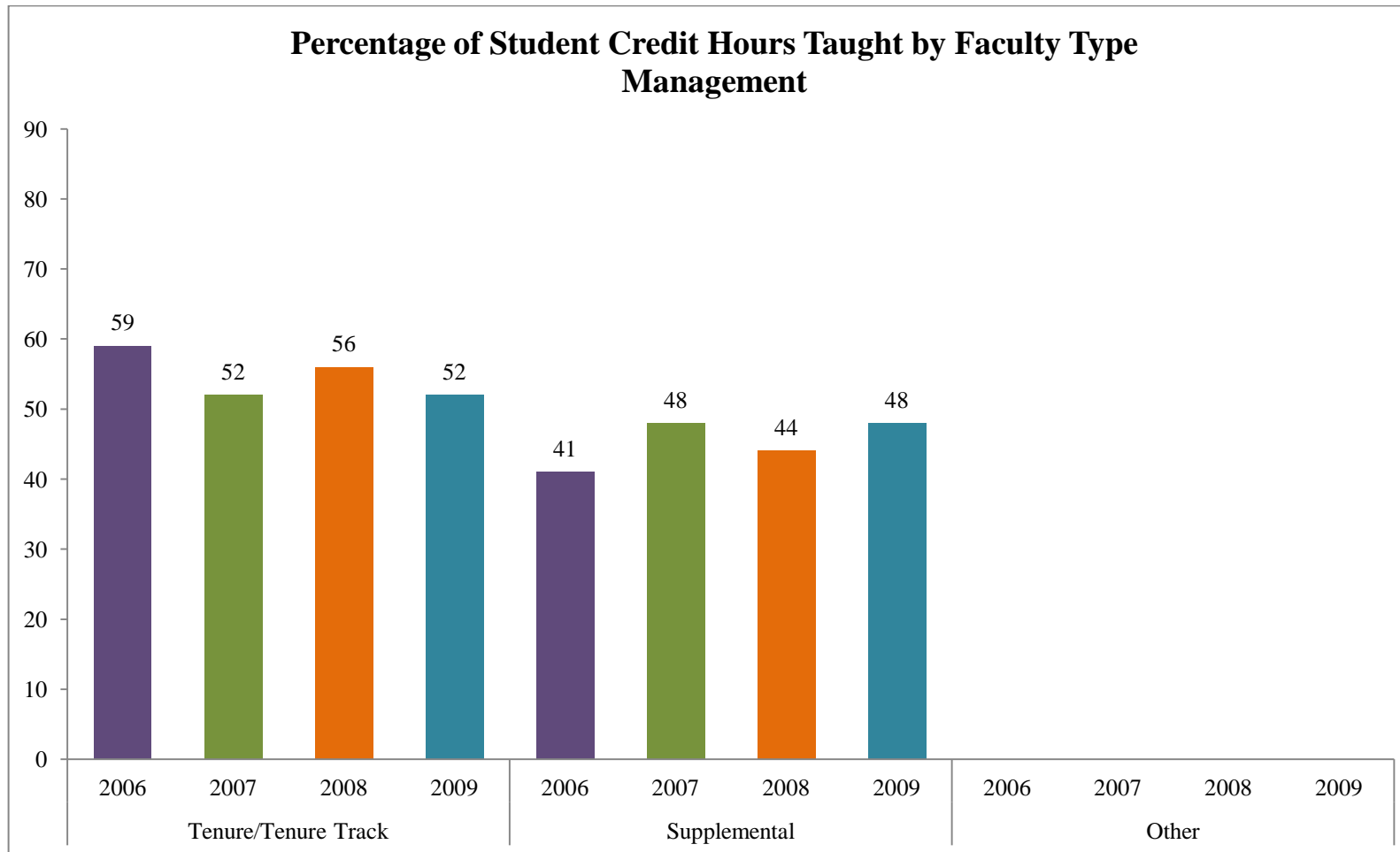
**Percentage of Student Credit Hours Taught by Faculty Type
Geography**

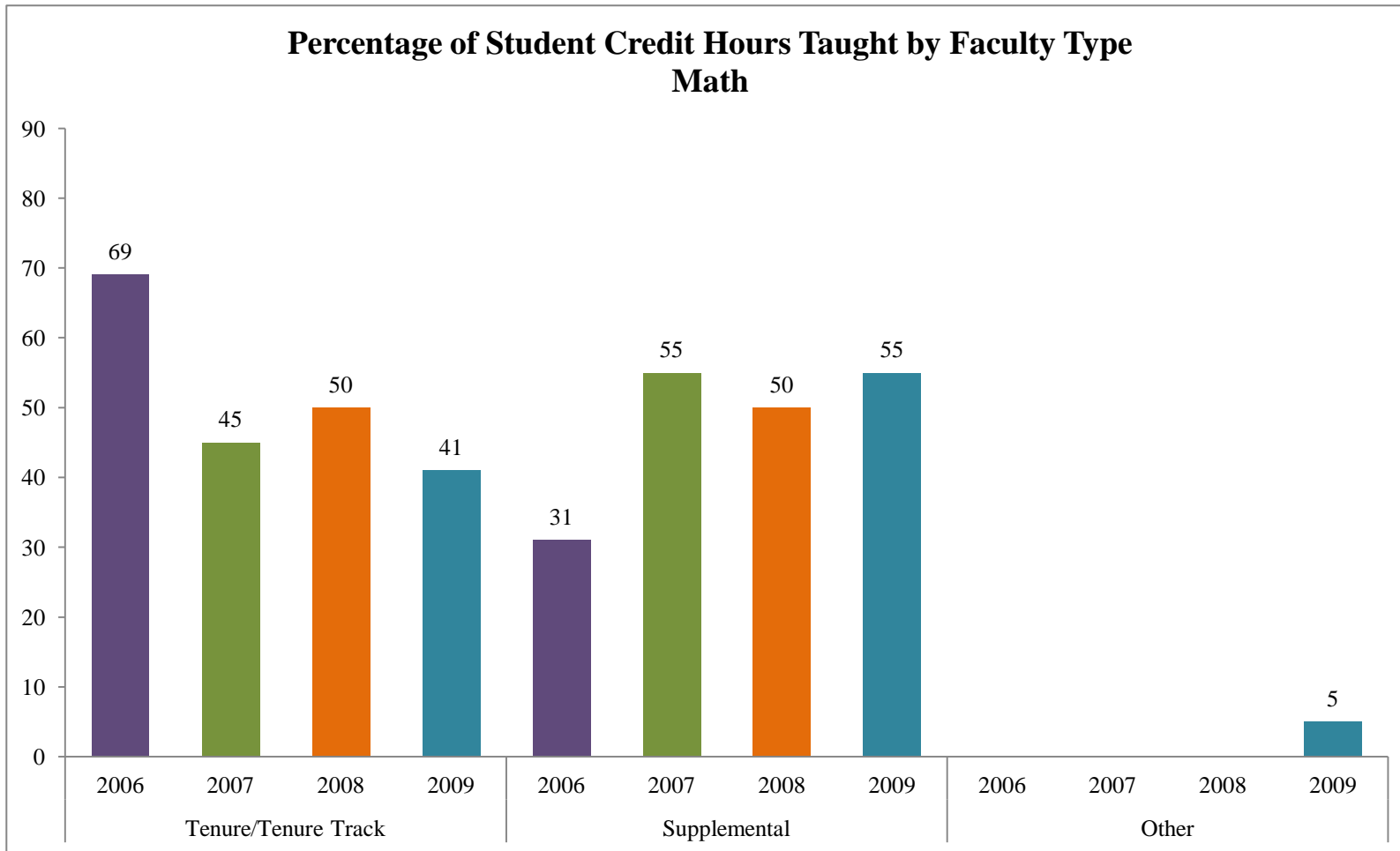


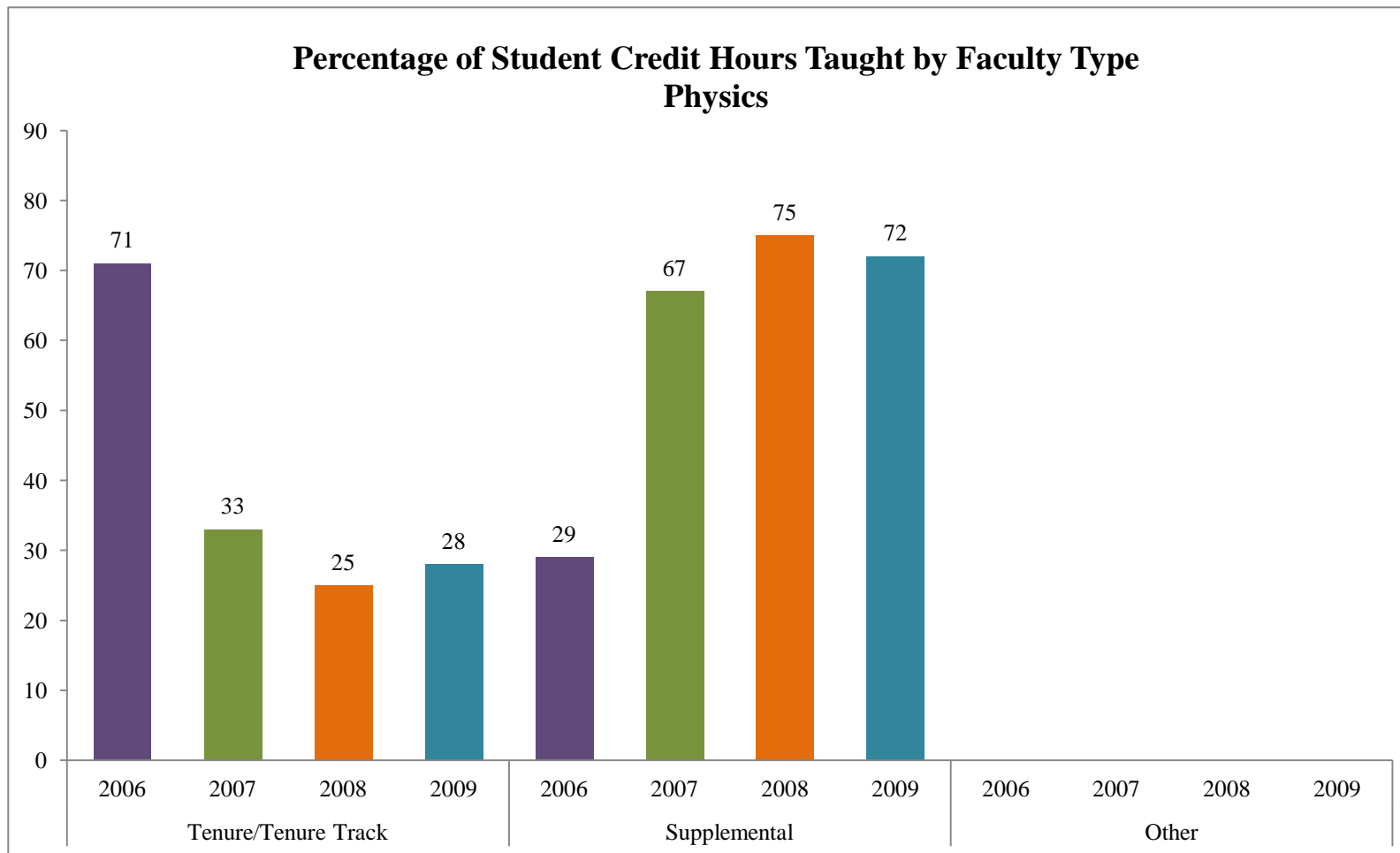


* Prior to 2009 ENST was included in Geology's budget line

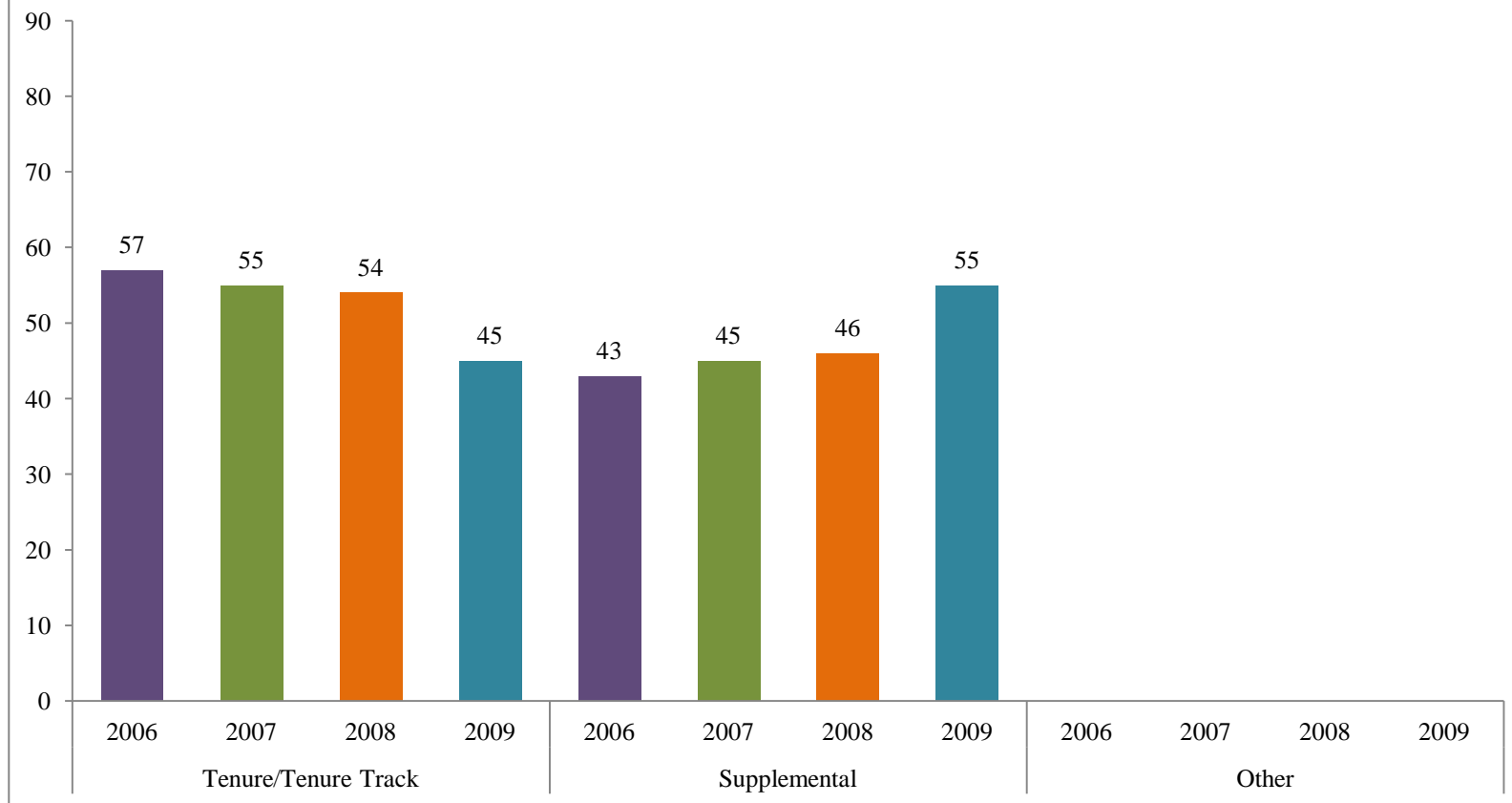
**Percentage of Student Credit Hours Taught by Faculty Type
Management**



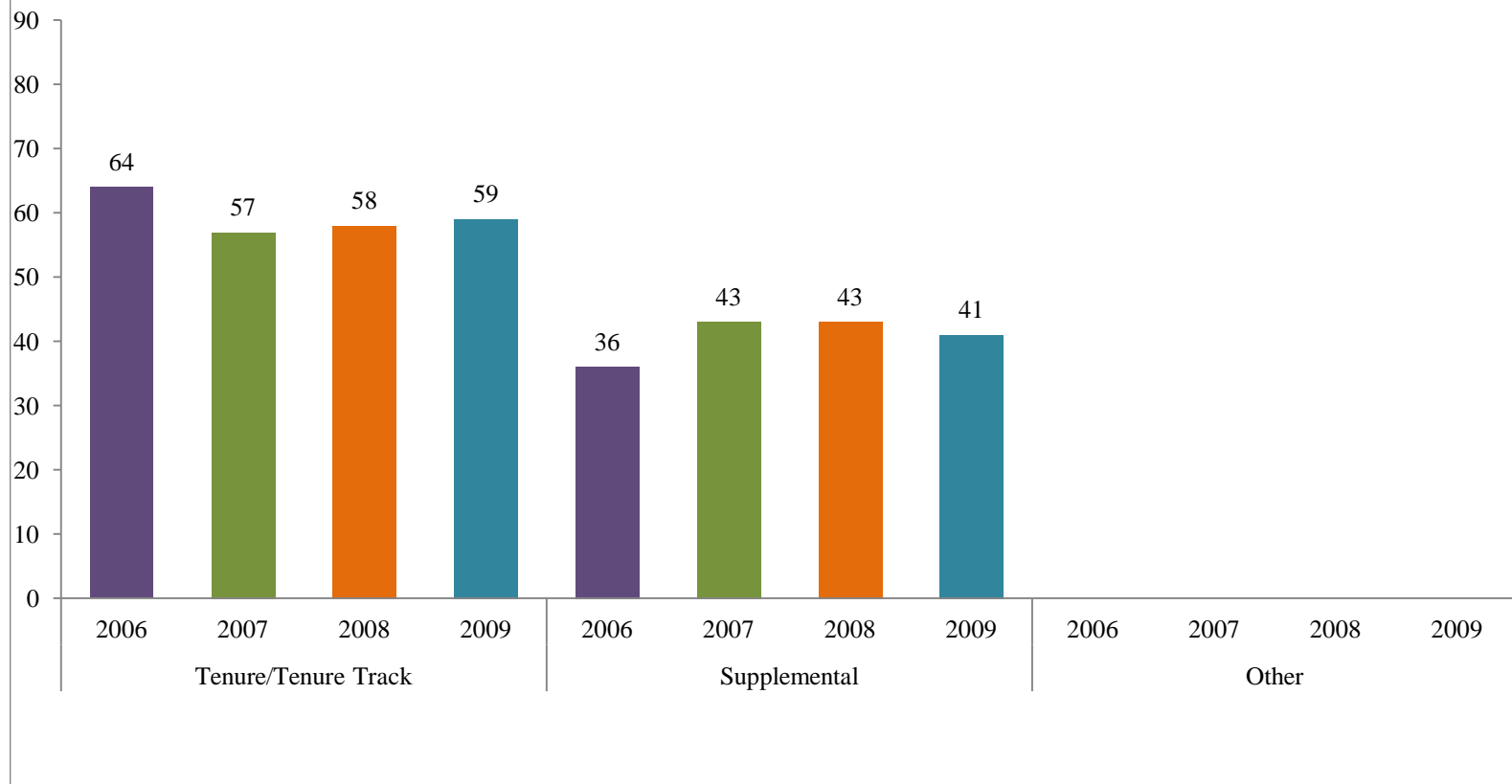




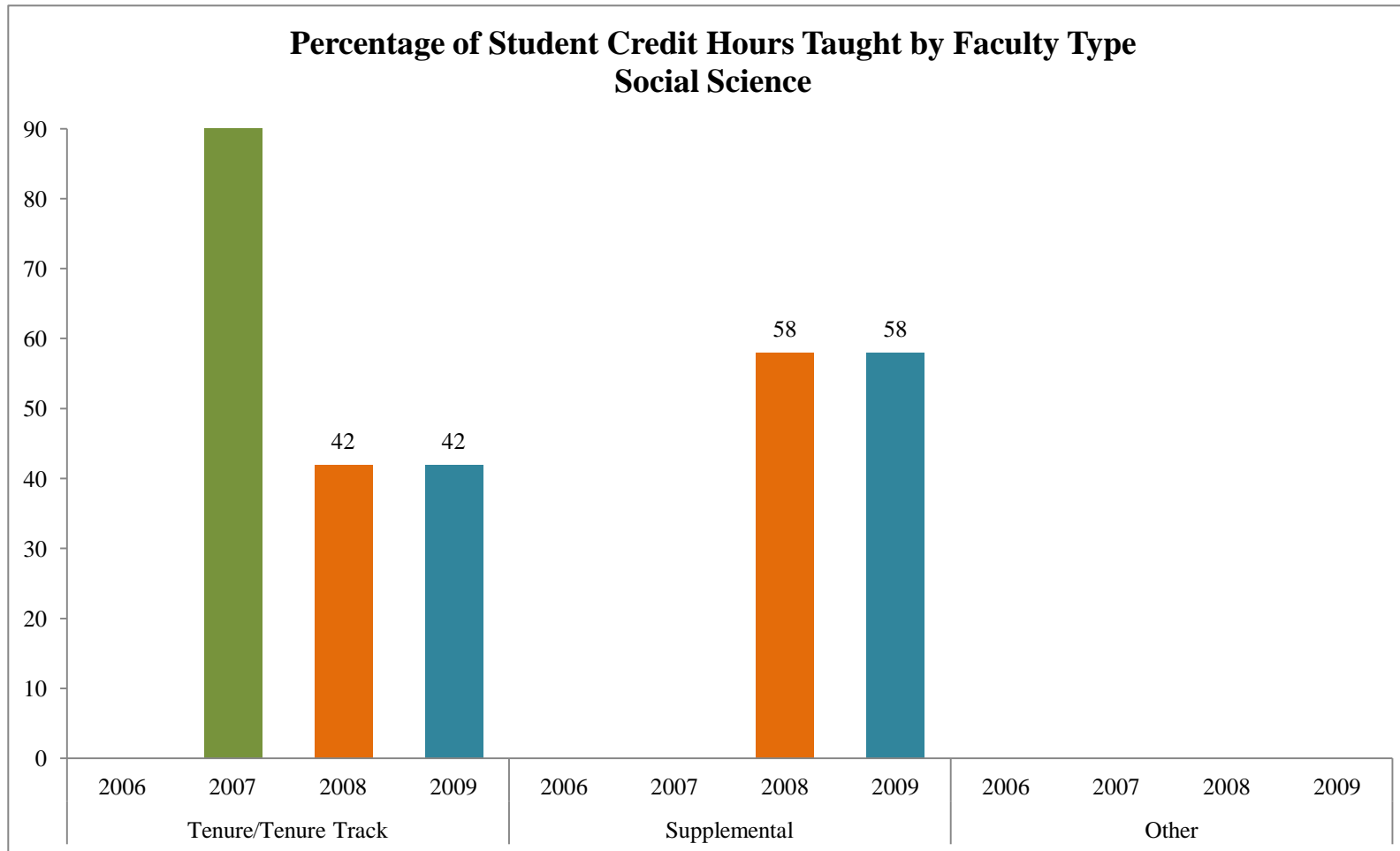
Percentage of Student Credit Hours Taught by Faculty Type Political Science

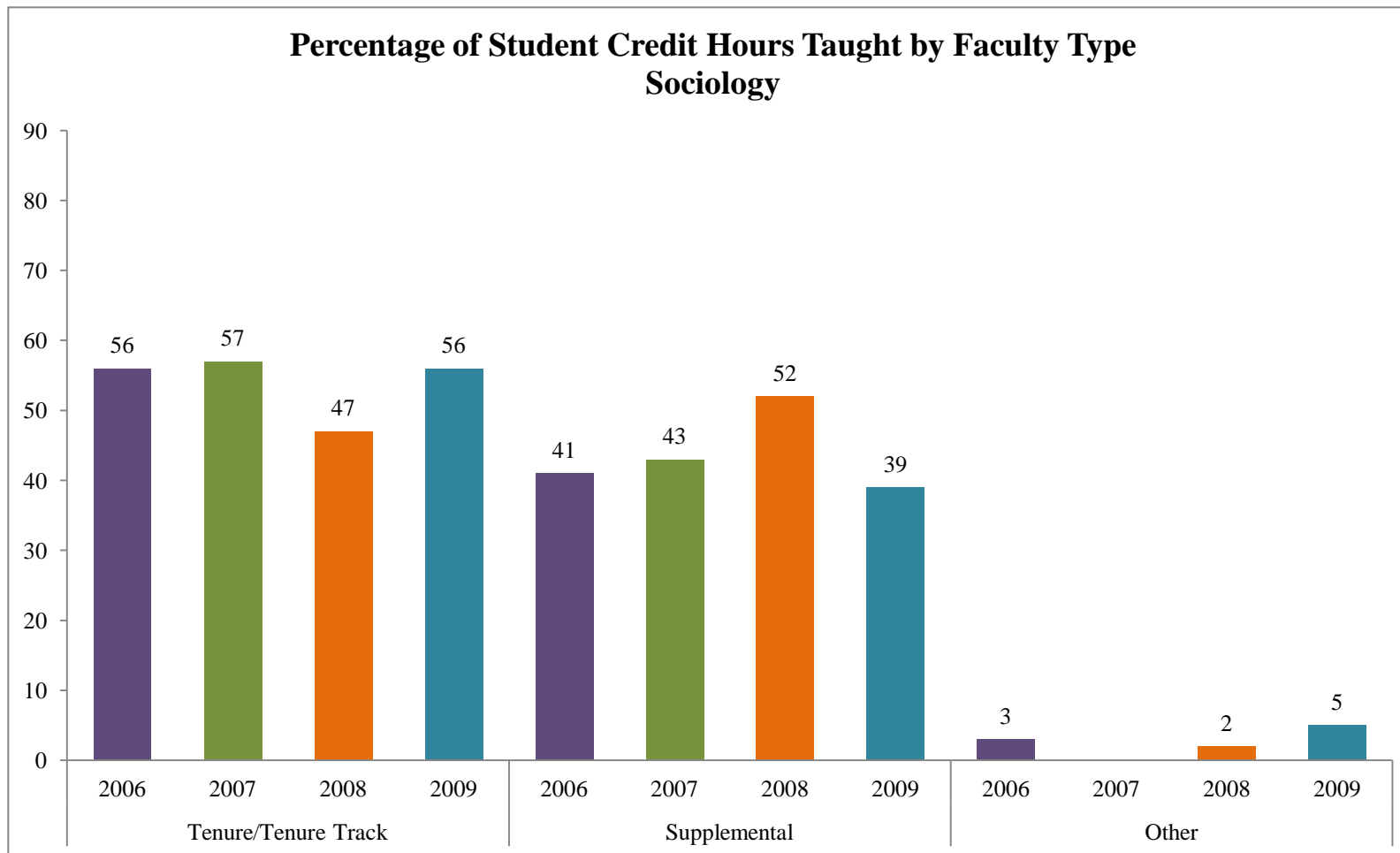


**Percentage of Student Credit Hours Taught by Faculty Type
Psychology**



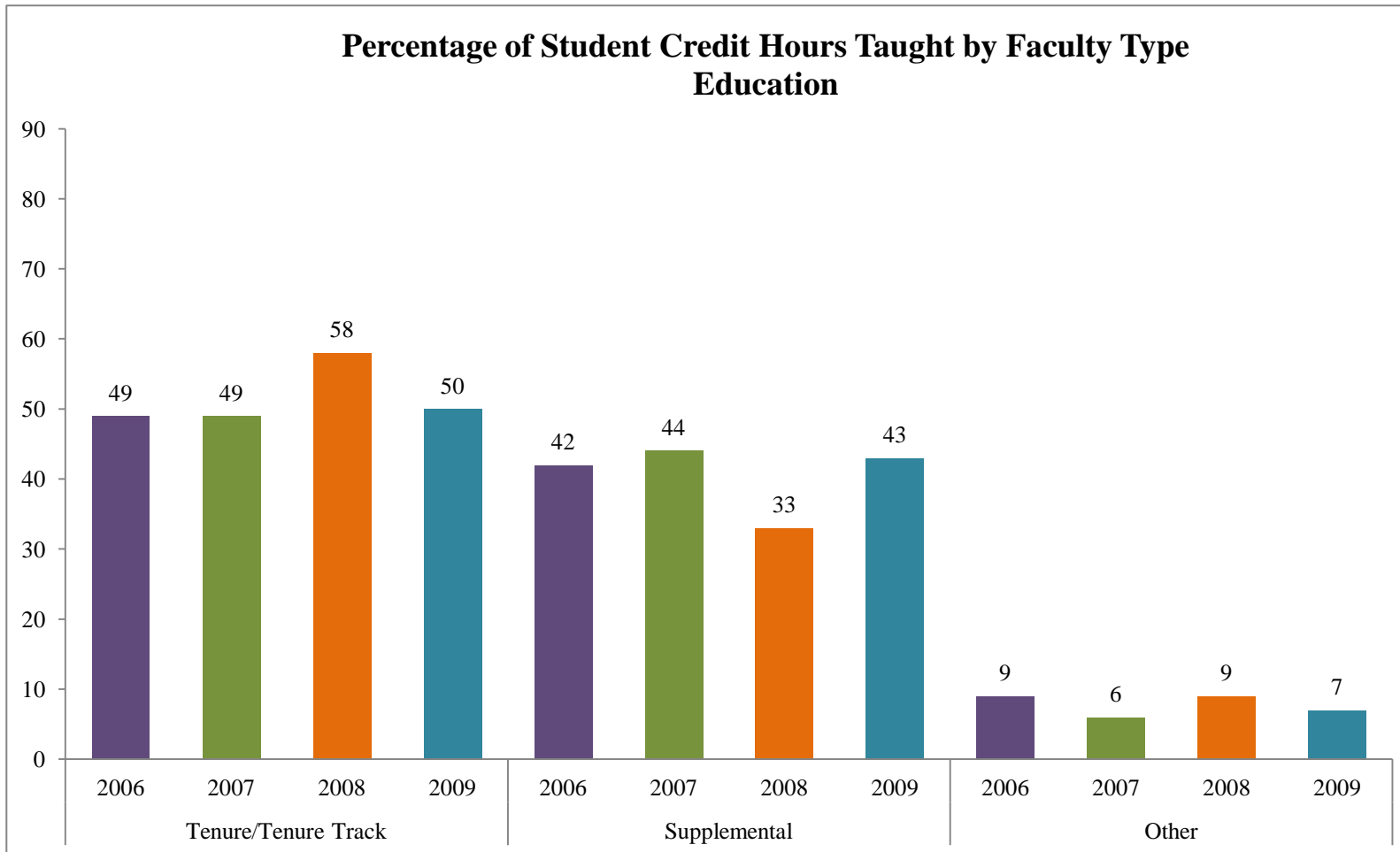
**Percentage of Student Credit Hours Taught by Faculty Type
Social Science**

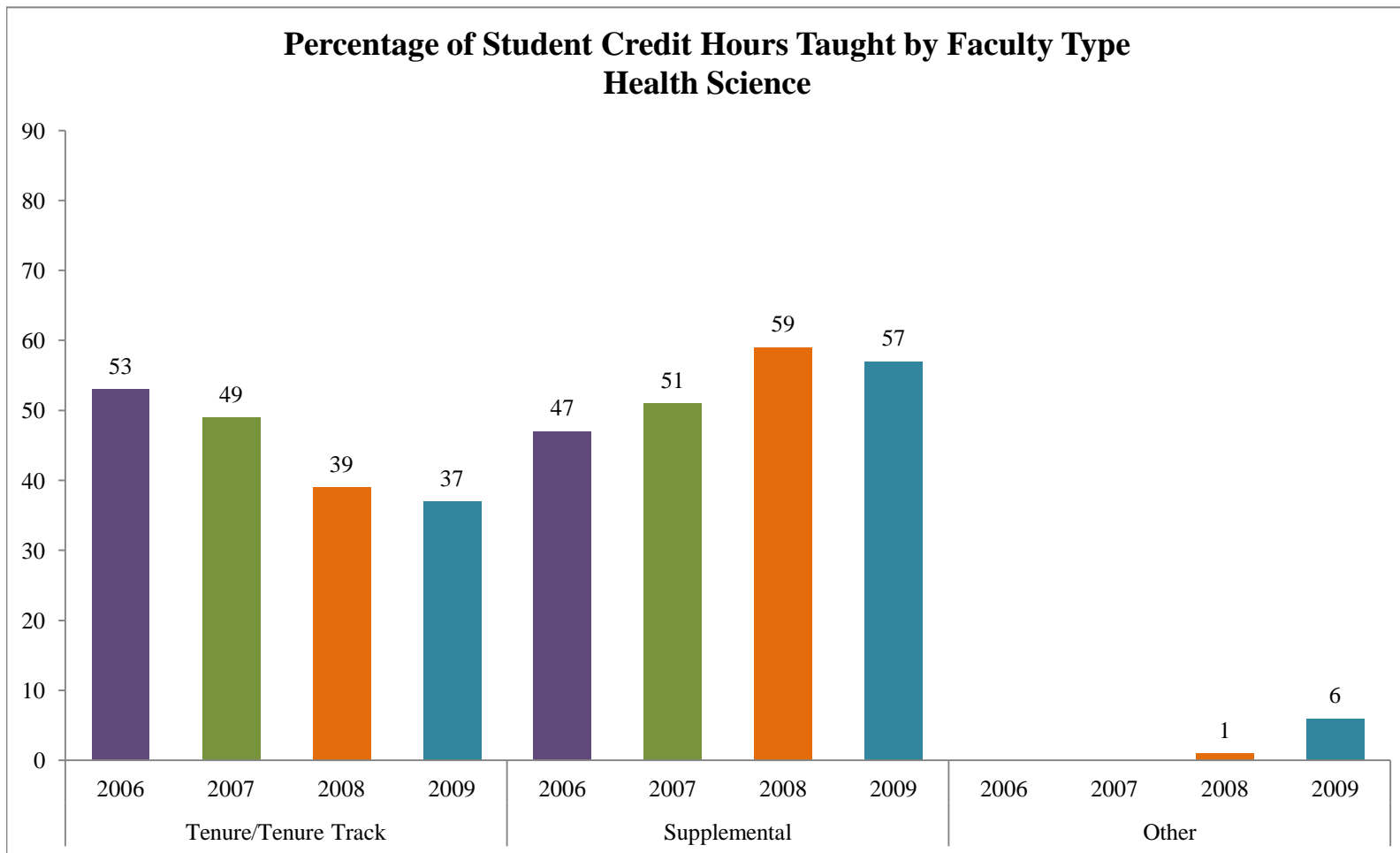


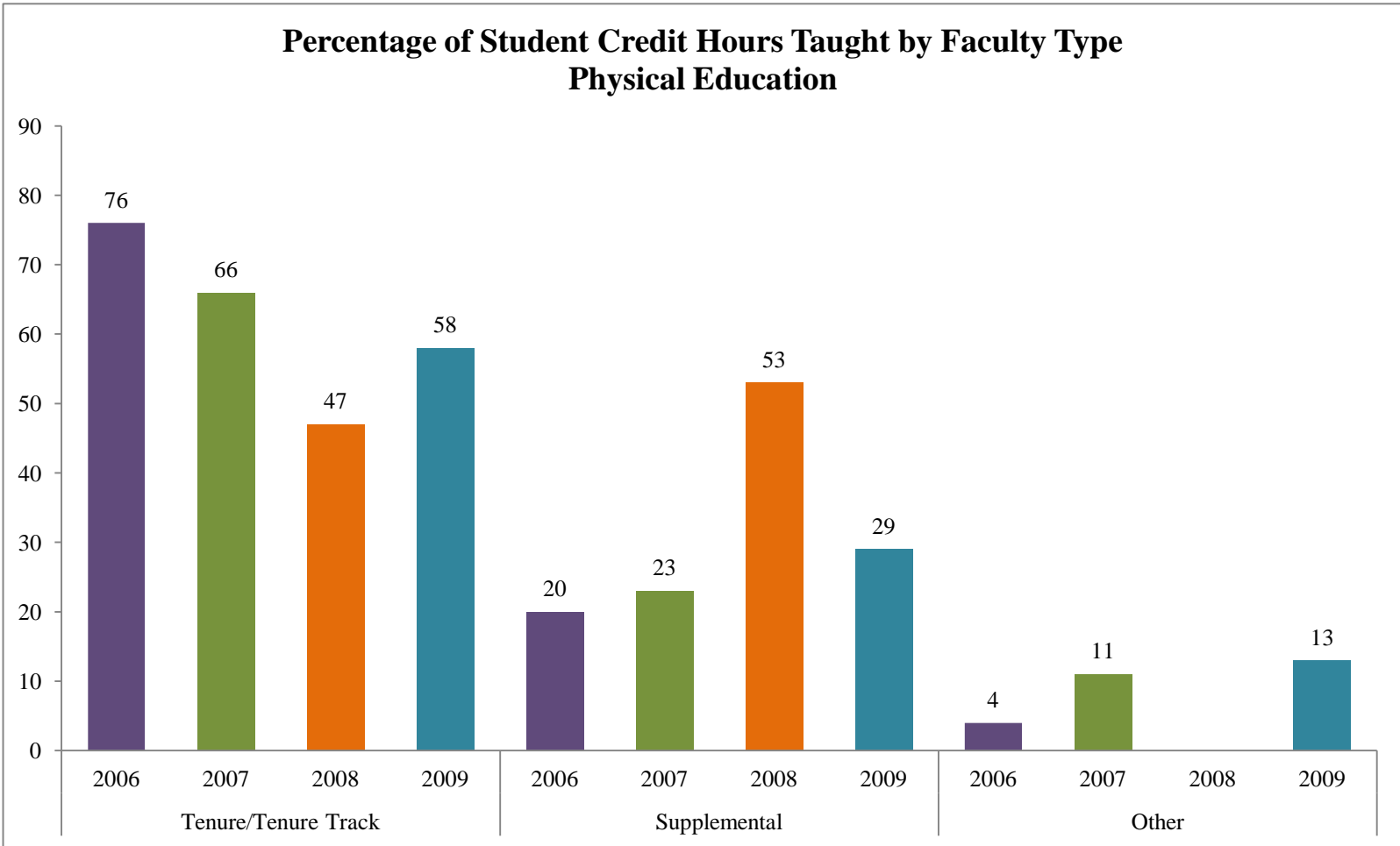


Percentage of Student Credit Hours Taught

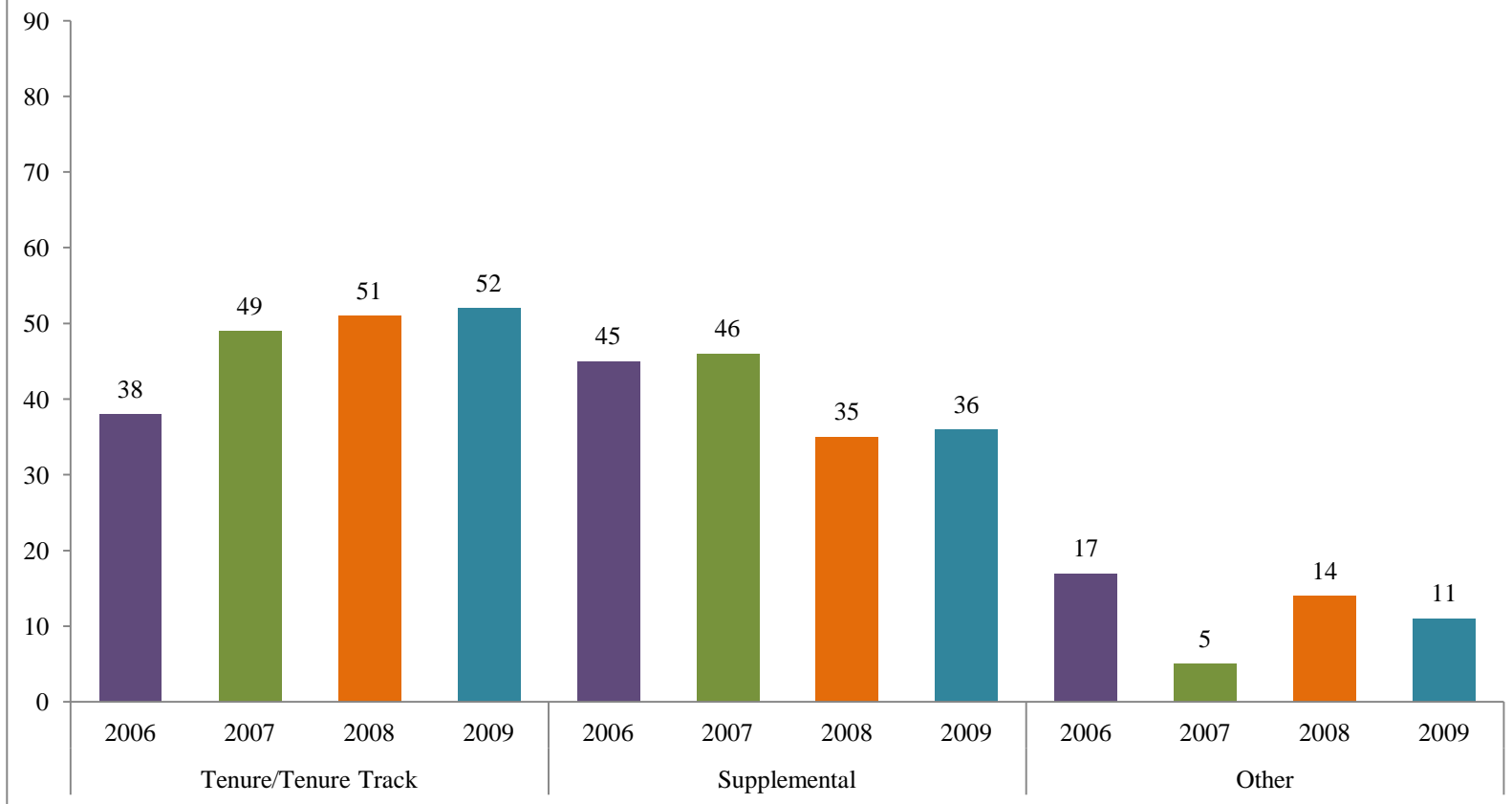
Professional Studies

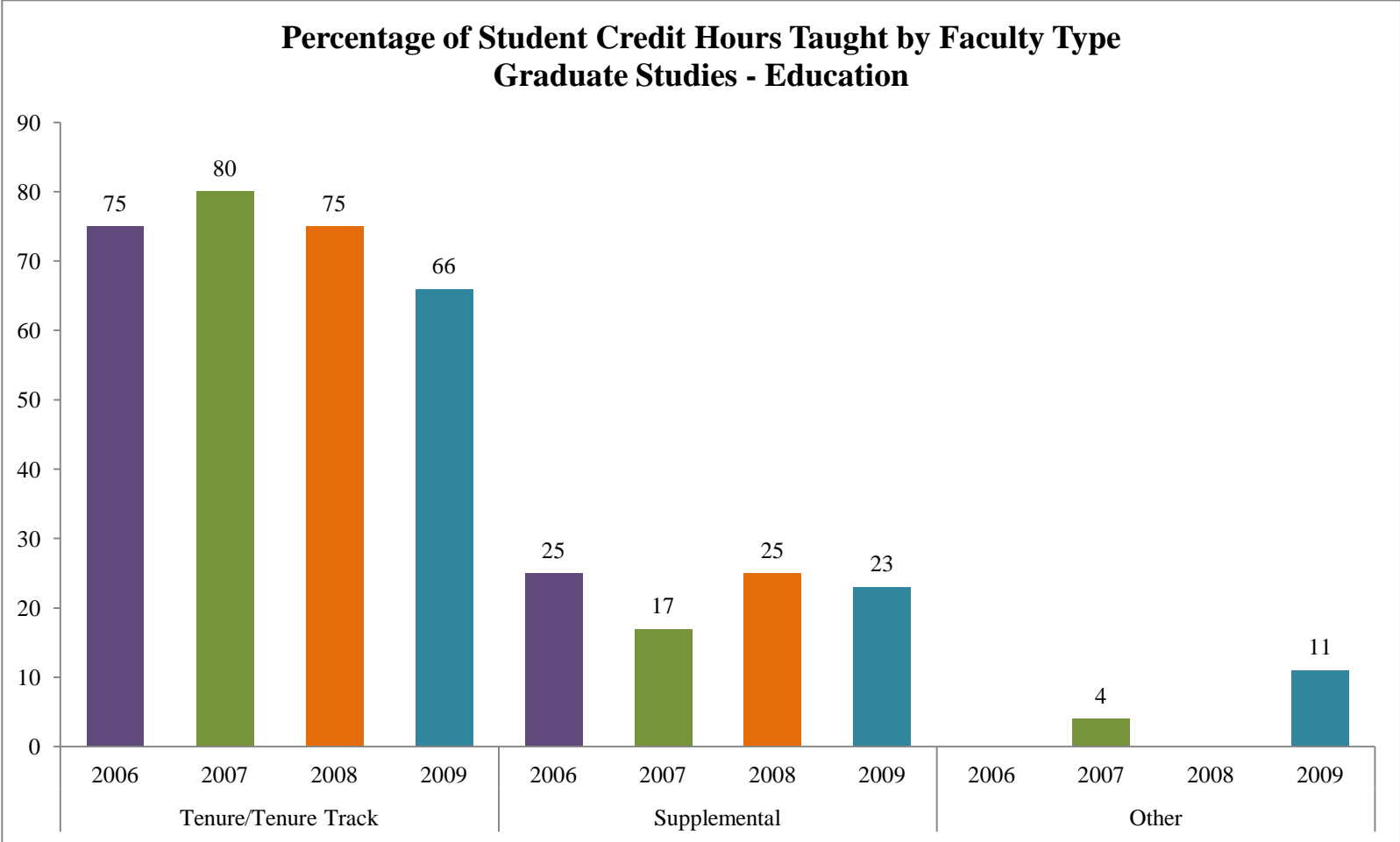






**Percentage of Student Credit Hours Taught by Faculty Type
Technology, Design & Safety**





KSC Full time Equivalent Instructors by Faculty Type

Discipline	Fall 2006				Fall 2007				Fall 2008				Fall 2009			
	Total FTE	Tenure/Track	Supplemental	Other	Total FTE	Tenure/Track	Supplemental	Other	Total FTE	Tenure/Track	Supplemental	Other	Total FTE	Tenure/Track	Supplemental	Other
Arts and Humanities																
Art	16.33	8.00	7.33	1.00	17.67	9.00	7.67	1.00	18.67	9.00	9.67		18.00	8.00	8.00	2.00
Com/Jrn/Phil	22.83	8.00	14.83		23.75	10.00	12.75	1.00	19.75	7.00	10.75	2.00	23.00	9.00	12.00	2.00
English	27.33	13.00	13.33	1.00	27.33	14.00	13.33		28.33	14.00	14.33		30.42	14.00	15.42	1.00
Film	8.67	2.00	4.67	2.00	10.17	3.00	7.17		11.17	4.00	7.17		12.17	5.00	6.17	1.00
History	11.00	6.00	3.00	2.00	12.33	8.00	4.33		12.67	8.00	4.67		13.00	8.00	5.00	
Languages	12.80	5.00	6.80	1.00	13.67	6.00	6.67	1.00	14.00	8.00	6.00		15.00	8.00	7.00	
Music	20.75	6.00	11.75	3.00	24.42	7.00	15.42	2.00	22.91	6.00	13.91	3.00	21.25	7.00	12.25	2.00
Theatre and Dance	11.50	6.00	4.50	1.00	10.92	4.00	5.92	1.00	12.91	5.00	6.91	1.00	13.67	5.00	6.67	2.00
Women's Studies					3.00	1.00	2.00						2.00	1.00	1.00	
Sciences																
Biology	11.75	8.00	2.75	1.00	15.00	9.00	6.00		14.80	9.00	5.80		13.67	7.00	5.67	1.00
Chemistry	6.67	5.00	1.67		8.67	5.00	2.67	1.00	10.00	5.00	4.00	1.00	10.00	6.00	4.00	
Computer Science	8.67	5.00	3.67		9.00	4.00	5.00		8.33	3.00	5.33		9.33	3.00	6.33	
Economics	4.50	2.00	2.50		7.67	5.00	2.67		8.67	5.00	3.67		6.33	4.00	2.33	
Environmental Studies*													5.00	3.00	1.00	1.00
Geography	8.58	5.00	2.58	1.00	7.33	5.00	2.33		8.67	4.00	3.67	1.00	7.00	4.00	3.00	
Geology*	6.08	3.00	3.08		6.67	3.00	3.67		7.67	3.00	4.67		6.67	2.00	4.67	
Management	12.60	8.00	4.60		14.75	9.00	5.75		13.42	8.00	5.42		13.75	7.00	6.75	
Math	10.17	7.00	3.17		12.92	6.00	6.92		13.00	7.00	6.00		13.67	7.00	5.67	1.00
Physics	5.00	2.00	3.00		6.35	2.00	4.35		6.17	1.00	5.17		6.00	2.00	4.00	
Political Science	3.50	2.00	1.50		2.00	1.00	1.00		3.67	2.00	1.67		4.00	2.00	2.00	
Psychology	14.50	11.00	3.50		18.67	11.00	7.67		17.91	11.00	6.91		17.50	11.00	6.50	
Social Science					1.00	1.00			1.33	1.00	.33		1.67	1.00	.67	
Sociology	13.75	9.00	3.75	1.00	15.42	9.00	5.42	1.00	16.83	9.00	6.83	1.00	15.50	9.00	5.50	1.00
Professional Studies																
Education	31.66	18.00	11.66	2.00	32.25	19.00	12.25	1.00	32.00	19.00	12.00	1.00	33.50	17.00	13.50	3.00
Health	10.20	6.00	4.20		13.08	7.00	6.08		16.58	7.00	8.58	1.00	16.25	6.00	9.25	1.00
Physical Education	11.42	7.00	3.42	1.00	10.50	6.00	3.50	1.00	12.08	7.00	5.08		10.83	6.00	3.83	1.00
Technology, Design & Safety	16.00	6.00	8.00	2.00	17.67	8.00	8.67	1.00	16.33	8.00	6.33	2.00	16.83	9.00	6.83	1.00

* Prior to 2009 ENST was included in Geology's budget line

Direct Instructional Cost per Student Credit Hour

Discipline	Cost per Student Credit Hour				
	KSC 2006	KSC 2007	KSC 2008	KSC 2009	Comp**
Arts and Humanities					
Art	210	201	214	207	250
Comm/Jrn/Phil	165	169	145	141	163
English	157	166	177	192	165
Film	175	179	166	177	241
History	128	143	167	174	140
Languages	156	158	203	211	172
Music	292	329	335	346	305
Theatre and Dance	270	310	248	304	244
Women's Studies		117		176	199
Median	170	174	190	200	207
Sciences					
Biology	154	172	217	122	189
Chemistry	222	219	213	219	216
Computer Science	147	102	116	130	283
Economics	204	124	117	132	155
Environmental Studies*				191	221
Geography	128	145	121	137	154
Geology*	130	136	145	141	188
Management	142	132	148	152	200
Math	174	123	163	180	144
Physics	185	165	127	154	217
Political Science	54	85	55	60	159
Psychology	123	124	130	149	155
Social Science		289	142	124	141
Sociology	130	120	126	139	133
Median	145	132	130	140	174
Professional Studies					
Education	199	254	225	250	222
Health	139	172	152	148	149
Physical Education	397	432	352	345	292
Technology, Design and Safety	138	123	129	143	239
Median	169	213	189	199	231

* Prior to 2009 ENST was included in Geology's budget line

** Comparator Data by Carnegie classification