

Oregon State University: Winter Term 2010
Student Credit Hours by College, Department or Program, and Course Level
Office of Academic Planning and Assessment

College of Agricultural Sciences	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Agricultural and Resource Economics</i>								
Agricultural and Resource Economics(/Economics)	0	152	370	121	278	0	0	921
Agricultural Business Management	0	174	171	0	0	0	0	345
<i>Agricultural Education and General Agriculture</i>								
Agricultural Education	0	0	8	125	0	0	0	133
General Agriculture	0	81	476	32	0	0	0	589
<i>Animal Sciences</i>								
Animal Science	0	1,004	1,463	99	72	0	0	2,638
<i>Bioresource Research</i>								
Bioresource Research	0	0	49	0	0	0	0	49
<i>Crop and Soil Sciences</i>								
Crop and Soil Science	0	25	823	0	0	0	0	848
Crop Science	0	0	0	324	142	0	0	466
<i>Environmental and Molecular Toxicology</i>								
Toxicology	0	0	44	74	214	0	0	332
<i>Fisheries and Wildlife</i>								
Fisheries and Wildlife Science	0	438	840	478	407	0	0	2,163
Fisheries Science	0	0	135	95	0	0	0	230
Wildlife Science	0	0	106	0	0	0	0	106
<i>Food Science and Technology</i>								
Food Science and Technology	0	76	662	232	129	0	0	1,099

Horticulture

Horticulture	0	6	675	131	68	0	0	880
<i>OSU Agr programs SCH at EOU</i>								
OSU Agr programs SCH at EOU (Source: OUS)	0	464	712	0	0	0	0	1,176
<i>Rangeland Ecology and Management</i>								
Rangeland Ecology and Management	0	0	315	48	62	0	0	425
Summary for College of Agricultural Sciences	0	2,420	6,849	1,759	1,372	0	0	12,400

College of Business	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Business Administration</i>								
Accountancy / Accounting	0	0	1,312	0	0	0	0	1,312
Business Administration	0	7,261	11,027	942	0	0	0	19,230
Finance	0	0	10	0	0	0	0	10
Summary for College of Business	0	7,261	12,349	942	0	0	0	20,552

College of Education	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Adult Education and Higher Education Leadership</i>								
Adult Education	0	30	0	0	0	0	0	30
College Student Services Administration	0	0	83	163	0	0	0	246
Education	0	0	65	188	6	0	0	259
<i>Teacher & Counselor Education</i>								
4-H Youth Development and Education	0	0	0	78	0	0	0	78
Counseling	0	0	0	265	0	0	0	265
Education	0	1,044	681	232	85	0	0	2,042
Summary for College of Education	0	1,074	829	926	91	0	0	2,920

College of Engineering	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Biological & Ecological Engineering</i>								
Biological and Ecological Engineering	0	123	247	260	131	0	0	761

Engineering Science

Engineering Science	0	2,814	608	22	0	0	0	3,444
General Engineering	0	480	0	0	0	0	0	480

Nuclear Engineering and Radiation Health Physics

Nuclear Engineering	0	206	526	165	74	0	0	971
Radiation Health Physics / Medical Physics	0	38	48	317	59	0	0	462

School of Chemical, Biological and Environmental Engineering

Bioengineering	0	186	327	10	0	0	0	523
Chemical Engineering	0	570	1,166	379	197	0	0	2,312
Environmental Engineering	0	132	232	59	68	0	0	491

School of Civil and Construction Engineering

Civil Engineering	0	900	3,379	755	206	0	0	5,240
Construction Engineering Management	0	0	1,343	48	0	0	0	1,391
Ocean Engineering	0	0	0	0	18	0	0	18

School of Electrical Engineering and Computer Science

Computer Engineering	0	0	352	96	0	0	0	448
Computer Science	0	2,224	1,534	1,058	316	0	0	5,132
Electrical and Computer Engineering / Electrical and Electronics Engineering	0	570	1,831	737	1,069	0	0	4,207
Software Engineering	0	0	200	0	0	0	0	200

School of Mechanical, Industrial, and Manufacturing Engineering

Industrial Engineering	0	224	1,130	295	161	0	0	1,810
Manufacturing Engineering	0	37	0	0	0	0	0	37
Materials Science	0	0	108	44	0	0	0	152
Mechanical Engineering	0	7	3,098	892	319	0	0	4,316

Summary for College of Engineering

	0	8,511	16,129	5,137	2,618	0	0	32,395
--	----------	--------------	---------------	--------------	--------------	----------	----------	---------------

College of Forestry

SCH	SCH	SCH	SCH	SCH	First Prof	SCH	Total SCH
0-99	100-299	300-499	500-599	600-699	700-799	800-899	0-899

Forest Engineering, Resources, and Management

Forest Engineering / Forest Operations Management	0	72	1,143	69	101	0	0	1,385
Forest Management	0	0	660	24	0	0	0	684
Forest Resources (/Economics)	0	44	0	229	231	0	0	504
<i>Forest Resources</i>								
Recreation Resource Management / Tourism and Outdoor Leadership	0	0	330	8	0	0	0	338
<i>Forest Science</i>								
Forest Science	0	0	0	235	163	0	0	398
<i>Natural Resources</i>								
Natural Resources	0	207	69	0	0	0	0	276
<i>Wood Science and Engineering</i>								
Wood Science and Technology / Wood Science	0	144	178	219	126	0	0	667
Summary for College of Forestry	0	467	2,380	784	621	0	0	4,252

College of Health and Human Sciences	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
---	---------------------	------------------------	------------------------	------------------------	------------------------	-------------------------------	------------------------	----------------------------

<i>Design and Human Environment</i>								
Apparel Design	0	1,039	1,222	0	0	0	0	2,261
Design and Human Environment	0	28	540	116	94	0	0	778
Housing Studies	0	111	192	0	0	0	0	303
Interior Design	0	568	608	4	0	0	0	1,180

<i>Human Development and Family Sciences</i>								
Human Development and Family Sciences/Studies	0	3,577	3,604	245	202	0	0	7,628

<i>Nutrition and Exercise Sciences</i>								
(Lifetime Fitness for Health)/(Physical Activity)	0	8,423	0	0	0	0	0	8,423
Exercise and Sport Science	0	528	2,966	325	157	0	0	3,976
Movement Studies in Disability	0	0	184	36	0	0	0	220
Nutrition and Food Management	0	844	923	38	68	0	0	1,873
Teaching: Physical Education	0	0	0	24	0	0	0	24

<i>Public Health</i>								
-----------------------------	--	--	--	--	--	--	--	--

Environmental Health and Occupational Safety Management	0	150	60	101	0	0	0	311
Health Management and Policy	0	237	300	0	0	0	0	537
Health Promotion and Health Behavior	0	652	2,193	0	0	0	0	2,845
Public Health	0	313	586	588	188	0	0	1,675
Summary for College of Health and Human Sciences	0	16,470	13,378	1,477	709	0	0	32,034

College of Liberal Arts	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
--------------------------------	---------------------	------------------------	------------------------	------------------------	------------------------	-------------------------------	------------------------	----------------------------

American Studies Program

American Studies	0	0	3	0	0	0	0	3
------------------	---	---	---	---	---	---	---	---

Anthropology

Anthropology / Applied Anthropology	0	2,229	1,354	332	80	0	0	3,995
-------------------------------------	---	-------	-------	-----	----	---	---	-------

Art

Applied Visual Arts	0	140	358	0	0	0	0	498
---------------------	---	-----	-----	---	---	---	---	-----

Art	0	2,537	1,131	12	0	0	0	3,680
-----	---	-------	-------	----	---	---	---	-------

Economics

Economics	0	3,568	380	0	0	0	0	3,948
-----------	---	-------	-----	---	---	---	---	-------

Economics (Joint program - AGR/FOR/CLA)	0	0	0	252	118	0	0	370
---	---	---	---	-----	-----	---	---	-----

English

Creative Writing	0	0	0	2	0	0	0	2
------------------	---	---	---	---	---	---	---	---

English	0	3,696	1,144	210	0	0	0	5,050
---------	---	-------	-------	-----	---	---	---	-------

Ethnic Studies

Ethnic Studies	0	423	167	42	0	0	0	632
----------------	---	-----	-----	----	---	---	---	-----

Foreign Languages and Literatures

(Chinese)	0	211	164	0	0	0	0	375
-----------	---	-----	-----	---	---	---	---	-----

(Italian)	0	268	0	0	0	0	0	268
-----------	---	-----	---	---	---	---	---	-----

(Japanese)	0	396	65	0	0	0	0	461
------------	---	-----	----	---	---	---	---	-----

French	0	596	224	4	0	0	0	824
--------	---	-----	-----	---	---	---	---	-----

German	0	1,026	296	11	0	0	0	1,333
--------	---	-------	-----	----	---	---	---	-------

Spanish	0	1,620	1,033	64	0	0	0	2,717
History								
History	0	3,518	2,186	38	0	0	0	5,742
History of Science	0	0	64	45	17	0	0	126
Liberal Studies								
Liberal Studies	0	0	50	0	0	0	0	50
New Media Communications	0	455	1,411	0	0	0	0	1,866
Music								
Music	0	1,510	402	12	0	0	0	1,924
Music Performance	0	264	48	0	0	0	0	312
Teaching: Music Education	0	18	69	60	0	0	0	147
Peace Studies								
Peace Studies	0	72	0	3	0	0	0	75
Philosophy								
Philosophy	0	1,914	1,224	178	0	0	0	3,316
Religion and Culture	0	108	0	0	0	0	0	108
Political Science								
Political Science	0	868	1,057	240	0	0	0	2,165
Public Policy	0	0	0	43	0	0	0	43
Psychology								
Psychology	0	3,150	1,876	38	0	0	0	5,064
Sociology								
Sociology	0	2,307	1,500	240	0	0	0	4,047
Speech Communication								
Speech Communication	0	4,374	1,114	199	0	0	0	5,687
Theatre Arts	0	889	65	3	0	0	0	957
Women Studies								
Women Studies	0	1,131	303	111	0	0	0	1,545

Written English								
(Writing)	0	5,193	1,713	225	0	0	0	7,131
Summary for College of Liberal Arts	0	42,481	19,401	2,364	215	0	0	64,461

College of Oceanic and Atmospheric Sciences	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
Atmospheric Sciences								
Atmospheric Sciences	0	108	15	108	34	0	0	265
Geophysics								
Geophysics	0	0	0	17	42	0	0	59
Marine Resource Management								
Marine Resource Management / Water Resources Policy and Management	0	0	0	173	0	0	0	173
Oceanography								
Oceanography	0	8	182	340	471	0	0	1,001
Summary for College of Oceanic and Atmospheric Sciences	0	116	197	638	547	0	0	1,498

College of Pharmacy	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
Pharmacy								
Pharmacy	0	342	472	73	219	0	0	1,106
Pharmacy (Pharm D)	0	0	0	0	0	5,306	0	5,306
Summary for College of Pharmacy	0	342	472	73	219	5,306	0	6,412

College of Science	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
Biochemistry and Biophysics								
Biochemistry and Biophysics	0	0	1,887	110	226	0	0	2,223
Biology								
Biology	0	7,310	2,240	62	40	0	0	9,652
Botany and Plant Pathology								
Botany	0	0	401	0	0	0	0	401

Botany and Plant Pathology	0	0	90	279	249	0	0	618
Chemistry								
Chemistry	0	11,326	3,800	104	1,048	0	0	16,278
Entomology								
Entomology	0	0	27	71	52	0	0	150
Environmental Sciences								
Environmental Sciences	0	0	10	0	0	0	0	10
General Science								
General Science	0	0	13	27	0	0	0	40
Geosciences								
Geography	0	2,594	1,171	280	0	0	0	4,045
Geology	0	504	915	311	216	0	0	1,946
Mathematics								
Mathematics	0	15,832	1,523	322	532	0	0	18,209
Microbiology								
Microbiology	0	600	1,036	184	308	0	0	2,128
Physics								
Physics	0	6,006	376	20	386	0	0	6,788
Science and Math Education								
Mathematics Education	0	0	0	12	0	0	0	12
Science Education	0	0	91	260	234	0	0	585
Statistics								
Statistics	0	955	2,525	927	57	0	0	4,464
Zoology								
Zoology	0	0	3,770	155	369	0	0	4,294
Summary for College of Science	0	45,127	19,875	3,124	3,717	0	0	71,843

College of Veterinary Medicine	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
---------------------------------------	---------------------	------------------------	------------------------	------------------------	------------------------	-------------------------------	------------------------	----------------------------

Biomedical Sciences								
Veterinary Medicine	0	0	0	0	0	1,851	0	1,851
Veterinary Science	0	0	6	14	0	0	0	20
Clinical Sciences								
Comparative Veterinary Medicine	0	0	0	0	3	0	0	3
Veterinary Medicine	0	0	0	0	0	1,959	0	1,959
Veterinary Science	0	0	0	11	9	0	0	20
Summary for College of Veterinary Medicine	0	0	6	25	12	3,810	0	3,853

Academic Learning Services	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Academic Learning Services</i>								
(Academic Learning Services)	223	1,241	0	0	0	0	0	1,464
Summary for Academic Learning Services	223	1,241	0	0	0	0	0	1,464

Defense Education (ROTC)	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Air Force Studies</i>								
Air Force Studies	0	146	122	0	0	0	0	268
<i>Military Science</i>								
Military Science	0	144	108	0	0	0	0	252
<i>Naval Science</i>								
Naval Science (Navy/Marine Corps)	0	195	116	0	0	0	0	311
Summary for Defense Education (ROTC)	0	485	346	0	0	0	0	831

Graduate School	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Graduate School</i>								
Environmental Sciences	0	0	0	150	184	0	0	334
Water Resources Engineering	0	0	0	38	69	0	0	107

Interdisciplinary Studies

Interdisciplinary Studies	0	0	0	75	0	0	0	75
Joint Campus-Oregon Health and Science University								
Public Health	0	0	0	30	0	0	0	30
Joint Campus-Portland State University								
Interdisciplinary Studies	0	0	0	47	0	0	0	47
Molecular and Cellular Biology								
Molecular and Cellular Biology	0	0	0	125	497	0	0	622
Water Resources Policy and Management								
Marine Resource Management / Water Resources Policy and Management	0	0	0	38	0	0	0	38
Water Resources Science								
Water Resources Science	0	0	0	28	17	0	0	45
Summary for Graduate School	0	0	0	531	767	0	0	1,298

Overseas Study	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
International Programs								
International Studies	0	0	11	0	0	0	0	11
Overseas Study Centers								
(Overseas Programs/Courses)	0	0	1,075	3	0	0	0	1,078
Summary for Overseas Study	0	0	1,086	3	0	0	0	1,089

University Honors College	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
Biology								
Biology	0	148	59	0	0	0	0	207
Botany and Plant Pathology								
Botany and Plant Pathology	0	0	8	0	0	0	0	8
Business Administration								
Business Administration	0	48	100	0	0	0	0	148

Chemistry

Chemistry	0	170	33	0	0	0	0	203
Engineering Science								
Engineering Science	0	0	36	0	0	0	0	36
Geosciences								
Geography	0	0	36	0	0	0	0	36
History								
History	0	0	18	0	0	0	0	18
Honors College								
Honors College	0	97	143	0	0	0	0	240
Human Development and Family Sciences								
Human Development and Family Sciences/Studies	0	0	24	0	0	0	0	24
Mathematics								
Mathematics	0	136	52	0	0	0	0	188
Microbiology								
Microbiology	0	60	0	0	0	0	0	60
Music								
Music	0	60	0	0	0	0	0	60
Philosophy								
Philosophy	0	72	0	0	0	0	0	72
Physics								
Physics	0	28	18	0	0	0	0	46
Political Science								
Political Science	0	0	16	0	0	0	0	16
Public Health								
Health Promotion and Health Behavior	0	0	24	0	0	0	0	24
Women Studies								
Women Studies	0	36	0	0	0	0	0	36
Summary for University Honors College	0	855	567	0	0	0	0	1,422

Extended Campus	SCH 0-99	SCH 100-299	SCH 300-499	SCH 500-599	SCH 600-699	First Prof 700-799	SCH 800-899	Total SCH 0-899
<i>Academic Learning Services</i>								
(Academic Learning Services)	0	34	0	0	0	0	0	34
<i>Adult Education and Higher Education Leadership</i>								
Adult Education	0	0	0	0	36	0	0	36
College Student Services Administration	0	0	0	8	0	0	0	8
Education	0	0	0	263	203	0	0	466
<i>Agricultural and Resource Economics</i>								
Agricultural and Resource Economics(/Economics)	0	102	153	0	0	0	0	255
Agricultural Business Management	0	0	15	0	0	0	0	15
<i>Agricultural Education and General Agriculture</i>								
Agricultural Education	0	0	0	8	0	0	0	8
General Agriculture	0	0	245	3	0	0	0	248
<i>Animal Sciences</i>								
Animal Science	0	24	57	0	0	0	0	81
<i>Anthropology</i>								
Anthropology / Applied Anthropology	0	57	880	0	0	0	0	937
<i>Art</i>								
Art	0	144	104	4	0	0	0	252
<i>Biochemistry and Biophysics</i>								
Biochemistry and Biophysics	0	0	42	9	0	0	0	51
<i>Biology</i>								
Biology	0	11	190	0	0	0	0	201
<i>Botany and Plant Pathology</i>								
Botany	0	0	69	0	0	0	0	69
<i>Business Administration</i>								
Business Administration	0	320	756	0	0	0	0	1,076
<i>Chemistry</i>								

Chemistry	0	1,035	605	0	0	0	0	1,640
<i>Crop and Soil Sciences</i>								
Crop and Soil Science	0	128	251	0	0	0	0	379
Crop Science	0	0	0	6	0	0	0	6
<i>Economics</i>								
Economics	0	188	0	0	0	0	0	188
<i>English</i>								
English	0	57	69	0	0	0	0	126
<i>Environmental Sciences</i>								
Environmental Sciences	0	0	40	0	0	0	0	40
<i>Ethnic Studies</i>								
Ethnic Studies	0	138	0	6	0	0	0	144
<i>Fisheries and Wildlife</i>								
Fisheries and Wildlife Science	0	276	1,164	3	0	0	0	1,443
Fisheries Science	0	0	18	24	0	0	0	42
Wildlife Science	0	0	44	3	15	0	0	62
<i>Foreign Languages and Literatures</i>								
(Arabic)	0	124	0	0	0	0	0	124
(Italian)	0	52	0	0	0	0	0	52
(Japanese)	0	0	45	0	0	0	0	45
(Russian)	0	70	0	0	0	0	0	70
French	0	144	0	0	0	0	0	144
German	0	148	3	0	0	0	0	151
Spanish	0	322	12	0	0	0	0	334
<i>Forest Ecosystems and Society</i>								
Natural Resources	0	0	0	60	0	0	0	60
<i>Forest Engineering, Resources, and Management</i>								
Forest Management	0	84	197	0	0	0	0	281

Forest Resources (/Economics)	0	0	108	0	0	0	0	108
Forest Resources								
Recreation Resource Management / Tourism and Outdoor Leadership	0	0	105	0	0	0	0	105
Forest Science								
Forest Science	0	18	0	18	0	0	0	36
General Science								
General Science	0	0	0	6	0	0	0	6
Geosciences								
Geography	0	96	460	68	0	0	0	624
Geology	0	320	90	0	0	0	0	410
History								
History	0	208	492	4	0	0	0	704
History of Science	0	0	220	0	0	0	0	220
Horticulture								
Horticulture	0	45	12	0	0	0	0	57
Human Development and Family Sciences								
Human Development and Family Sciences/Studies	0	180	478	0	0	0	4	662
Liberal Studies								
Liberal Studies	0	0	30	0	0	0	0	30
New Media Communications	0	0	43	0	0	0	0	43
Marine Resource Management								
Marine Resource Management / Water Resources Policy and Management	0	0	0	1	0	0	0	1
Mathematics								
Mathematics	162	578	0	0	0	0	0	740
Music								
Music	0	561	42	0	0	0	0	603
Music Performance	0	2	0	0	0	0	0	2
Natural Resources								

Natural Resources	0	141	72	0	0	0	0	213
<i>Nuclear Engineering and Radiation Health Physics</i>								
Radiation Health Physics / Medical Physics	0	0	0	271	0	0	0	271
<i>Nutrition and Exercise Sciences</i>								
(Lifetime Fitness for Health)/(Physical Activity)	0	90	0	0	0	0	0	90
Exercise and Sport Science	0	0	39	0	0	0	0	39
Nutrition and Food Management	0	147	0	0	0	0	0	147
<i>Oceanography</i>								
Oceanography	0	100	111	0	0	0	0	211
<i>Pharmacy</i>								
Pharmacy	0	74	0	0	0	0	0	74
<i>Philosophy</i>								
Philosophy	0	501	215	3	0	0	0	719
<i>Physics</i>								
Applied Physics	0	0	3	0	0	0	0	3
<i>Political Science</i>								
Political Science	0	180	415	24	0	0	0	619
<i>Psychology</i>								
Psychology	0	174	688	9	0	0	0	871
<i>Public Health</i>								
Public Health	0	0	0	0	3	0	0	3
<i>Rangeland Ecology and Management</i>								
Rangeland Ecology and Management	0	0	391	0	0	0	0	391
<i>School of Civil and Construction Engineering</i>								
Civil Engineering	0	0	0	0	0	0	24	24
<i>Science and Math Education</i>								
Mathematics Education	0	0	0	81	0	0	0	81
Science Education	0	0	0	66	0	0	3	69

Sociology								
Sociology	0	144	535	44	0	0	0	723
Speech Communication								
Speech Communication	0	0	57	0	0	0	0	57
Statistics								
Statistics	0	114	327	0	0	0	0	441
Teacher & Counselor Education								
Adult Education	0	0	42	36	0	0	0	78
Counseling	0	0	0	47	229	0	0	276
Education	0	0	36	781	23	0	0	840
Water Resources Policy and Management								
Marine Resource Management / Water Resources Policy and Management	0	0	0	9	0	0	0	9
Women Studies								
Women Studies	0	147	171	0	0	0	0	318
Written English								
(Writing)	0	384	312	0	0	0	0	696
Summary for Extended Campus	162	7,662	10,453	1,865	509	0	31	20,682

Grand Total	385	134,512	104,317	19,648	11,397	9,116	31	279,406
--------------------	------------	----------------	----------------	---------------	---------------	--------------	-----------	----------------

Source: Office of Academic Planning and Assessment
 SXR5220 Banner Data Extract File
 Susan Wang
 May 11, 2010