

Articles 9 and 24 – Lab Load

MEMORANDUM OF UNDERSTANDING
BETWEEN
FOOTHILL-DE ANZA COMMUNITY COLLEGE DISTRICT
AND
FOOTHILL-DE ANZA FACULTY ASSOCIATION

This memorandum of understanding is entered into by and between the Foothill-De Anza Community College District (“District”) and the Foothill-De Anza Faculty Association (“FA”).

FA and the District wish to memorialize the agreement reached between the parties in regard to faculty load, load factors, and compensation for laboratory (lab) courses in all District departments and programs; except that this agreement shall not apply to lab assignments in the Allied Health (Nursing at De Anza, and all others at Foothill), Environmental Sciences (at De Anza), Apprenticeship (at Foothill), and Computer Science (at Foothill) programs, which shall be reviewed at a later time.

This agreement is the result of ongoing work of the Load Task Force, a joint effort of FA and the District. The parties enter into this agreement to establish and implement a consistent load factor for lab classes, as identified in the attached report and incorporated into this MOU by reference.

A. Effective Date

All faculty members (both part- and full-time) who teach one or more lab assignments shall be assigned load for each lab assignment as identified on the attached report effective Fall quarter 2014.

B. Laboratory Categories

The following categories and criteria shall be used to establish the load per hour for each laboratory course.

Category 1 Lab (load factor = 0.022 per hour)

Students and faculty are required to do a high level of out-of-class work that is specific to the lab and is distinct from lecture activities and/or assignments.

Faculty/students engage in most of the following activities:

- Writing (graded throughout the quarter by faculty): this includes papers, pre- and post-lab activities, and lab reports.
- Quizzes/exams (graded by faculty) related specifically to lab content. These are separate from lecture quizzes and exams.
- Preparation and/or tear down of labs required by faculty.
- Lab activities generate weekly grading for faculty that is distinct from lecture assignments.

- Lab assignments typically stand-alone from week to week, rather than consist of activities related to a term-spanning project.

Examples of courses in this category:

- Physical Anthropology (ANTH 1L)
- Astronomy
- Biology
- Chemistry
- Engineering
- Physical Geography (GEOG 01)
- Geospatial Technology (GIST 12, 52, 53, 58, 59)
- Geology
- Mathematics (Math My Way)
- Meteorology
- Physics

Category 2 Labs: (load factor = 0.017 per hour)

Faculty members are required to perform the physical activity with their students and a minimal amount of out-of-class work is assigned/graded.

Examples of courses in this category:

- Dance
- PE/PHED

Category 3 Labs: (load factor = 0.016 per hour)

Students and faculty complete the majority of work during the lab period.

Assessment of student work is partially completed during the lab period. Weekly lab activities are often part of a multi-week or term-spanning project. Time required for lab set-up/tear down is minimal. Labs not in Category 1 or 2 fall into Category 3.

Examples of courses in this Category:

- Adaptive Learning
- Art
- Art History
- Communications
- Graphic Design
- Horticulture
- Music
- Nanotechnology
- Photography
- Psychology
- Radio
- Sociology
- Theater

C. Laboratory Load Assignment Categories

Laboratory classes will be assigned a load factor on the following basis. No other adjustment to load or compensation for any laboratory class assignment shall be provided.

- Category 1: 0.022 per hour; or
- Category 2: 0.017 per hour; or
- Category 3: 0.016 per hour.

D. Future Changes in Laboratory Load Categories

Any future change to the laboratory load categories shall be subject to concurrence of the District and the Faculty Association.

Dated: August 7, 2014

**LAB LOAD ASSIGNMENTS
EFFECTIVE FALL QUARTER 2014**

The following is a representative list of courses and their applicable lab load; while this list is extensive it may not be exhaustive and other courses currently existing or created in the future shall also be subject to placement into one of the approved categories in accordance with the applicable criteria.

De Anza College

12-May-14

Does Not Include Summer

Load rounded to 3 decimal places

Note: a positive Difference (Diff) means the load would need to be increased to meet the target Load Per Hour 2014-15.

Division	Course ID	Session Contact Hrs	Hours Per Week	Scheduled Workload 2013-14	Load Per Hour 2013-14	Load Per Hour 2014-15	Diff
2BH	BIOLD006A	70.0	6.0	0.095	0.016	0.022	0.006
2BH	BIOLD006B	70.0	6.0	0.095	0.016	0.022	0.006
2BH	BIOLD006C	70.0	6.0	0.095	0.016	0.022	0.006
2BH	BIOLD010.	35.0	3.0	0.048	0.016	0.022	0.006
2BH	BIOLD011.	35.0	3.0	0.048	0.016	0.022	0.006
2BH	BIOLD013.	35.0	3.0	0.048	0.016	0.022	0.006
2BH	BIOLD026.	70.0	6.0	0.095	0.016	0.022	0.006
2BH	BIOLD040A	35.0	3.0	0.048	0.016	0.022	0.006
2BH	BIOLD040B	35.0	3.0	0.048	0.016	0.022	0.006
2BH	BIOLD040C	35.0	3.0	0.048	0.016	0.022	0.006
2CA	ARTSD020.	70.0	6.0	0.095	0.016	0.016	0.000
2CA	ARTSD070.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD001.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD002.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD003.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD004.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD005.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD054.	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD057A	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD057B	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD058A	35.0	3.0	0.048	0.016	0.016	0.000
2CA	PHTGD058B	35.0	3.0	0.048	0.016	0.016	0.000

2CB	CISD018C	12.0	1.0	0.024	0.024	0.016	-0.008
2CB	CISD033B	12.0	1.0	0.024	0.024	0.016	-0.008
2CB	CISD098.	18.0	1.5	0.024	0.016	0.016	0.000
2PE	P ED001H	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED002A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED002B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED002P	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED002Q	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED002Y	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED003.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED003G	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED003X	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED004.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED004X	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED006B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006D	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006F	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006G	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006K	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006S	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006U	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED006V	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED008.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED009.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED010X	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED010Y	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED011.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED011X	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED012.	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED013A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED013B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED013C	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED014A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED014B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED016A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED016B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED019A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED019B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED019C	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED01HX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED021A	23.0	2.0	0.033	0.017	0.017	0.000

2PE	P ED021B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED026A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED026B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED026C	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED026D	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED02PX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED02YX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED032B	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032F	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032H	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032I	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032J	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032K	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032L	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032M	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032N	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032P	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032S	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED032W	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED033A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED033I	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED035.	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED038W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED039M	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED039W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED03AX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED040.	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED041.	93.0	8.0	0.150	0.019	0.017	0.000
2PE	P ED042W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED043.	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED044M	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED044W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED045.	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED046.	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED046X	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED047M	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED047W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED048M	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED048W	105.0	9.0	0.150	0.017	0.017	0.000
2PE	P ED04XX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED054.	35.0	3.0	0.050	0.017	0.017	0.000

2PE	P ED054A	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED054B	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED054C	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED054D	70.0	6.0	0.100	0.017	0.017	0.000
2PE	P ED054E	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED054F	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED056D	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED05AX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED05AY	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED06DX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED06FX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED06KX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED06UX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED097A	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED097B	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED097C	23.0	2.0	0.033	0.017	0.017	0.000
2PE	P ED21AX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED21BX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED21CX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED21DX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED26CX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED26DX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED33AX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED38WX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED44MX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED44WX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED47MX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED47WX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED48MX	53.0	4.5	0.075	0.017	0.017	0.000
2PE	P ED48WX	54.0	4.6	0.075	0.016	0.017	0.000
2PE	P ED97AX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED97BX	35.0	3.0	0.050	0.017	0.017	0.000
2PE	P ED97CX	35.0	3.0	0.050	0.017	0.017	0.000
2PS	ASTRD015L	35.0	3.0	0.048	0.016	0.022	0.006
2PS	CHEMD001A	70.0	6.0	0.132	0.022	0.022	0.000
2PS	CHEMD001B	70.0	6.0	0.132	0.022	0.022	0.000
2PS	CHEMD001C	70.0	6.0	0.132	0.022	0.022	0.000
2PS	CHEMD010.	35.0	3.0	0.066	0.022	0.022	0.000
2PS	CHEMD012A	70.0	6.0	0.132	0.022	0.022	0.000
2PS	CHEMD012B	70.0	6.0	0.132	0.022	0.022	0.000
2PS	CHEMD012C	70.0	6.0	0.132	0.022	0.022	0.000

2PS	CHEMD030A	35.0	3.0	0.066	0.022	0.022	0.000
2PS	CHEMD030B	35.0	3.0	0.066	0.022	0.022	0.000
2PS	CHEMD050.	35.0	3.0	0.066	0.022	0.022	0.000
2PS	ENGRD010.	58.0	5.0	0.079	0.016	0.022	0.006
2PS	ENGRD035.	35.0	3.0	0.047	0.016	0.022	0.006
2PS	GEOLD010.	35.0	3.0	0.048	0.016	0.022	0.006
2PS	METD010L	35.0	3.0	0.048	0.016	0.022	0.006
2PS	PHYSD002A	23.0	2.0	0.032	0.016	0.022	0.006
2PS	PHYSD002B	23.0	2.0	0.032	0.016	0.022	0.006
2PS	PHYSD002C	23.0	2.0	0.032	0.016	0.022	0.006
2PS	PHYSD004A	35.0	3.0	0.048	0.016	0.022	0.006
2PS	PHYSD004B	35.0	3.0	0.048	0.016	0.022	0.006
2PS	PHYSD004C	35.0	3.0	0.048	0.016	0.022	0.006
2PS	PHYSD004D	35.0	3.0	0.048	0.016	0.022	0.006

Foothill College

12-May-14

Does Not Include Summer

Load rounded to 3 decimal
places

Note: a positive Difference (Diff) means the load would need to be increased to meet the target Load Per Hour 2014-15.

Division	Course ID	Session Contact Hrs	Hours Per Week	Scheduled Workload 2013-14	Load Per Hour 2013-14	Load Per Hour 2014-15	Diff
1BH	BIOLF001A	47	4.00	0.064	0.016	0.022	0.006
1BH	BIOLF001B	47	4.00	0.064	0.016	0.022	0.006
1BH	BIOLF001C	47	4.00	0.064	0.016	0.022	0.006
1BH	BIOLF009L	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF010.	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF013.	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF014.	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF023.	24	2.10	0.032	0.016	0.022	0.006
1BH	BIOLF040A	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF040B	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF040C	23	2.00	0.032	0.016	0.022	0.006
1BH	BIOLF041.	47	4.00	0.064	0.016	0.022	0.006
1BH	HORTF010.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF015.	18	1.50	0.024	0.016	0.016	0.000

1BH	HORTF021.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF022.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF023.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF024.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF026.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF030.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF031.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF040.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF045.	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF052C	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF052E	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF052H	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF054A	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF054B	18	1.50	0.024	0.016	0.016	0.000
1BH	HORTF054C	18	1.50	0.024	0.016	0.016	0.000
1BH	HORTF054D	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF060B	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF060C	18	1.50	0.024	0.016	0.016	0.000
1BH	HORTF060F	35	3.00	0.048	0.016	0.016	0.000
1BH	HORTF090E	6	0.50	0.009	0.018	0.016	-0.002
1BH	HORTF090G	6	0.50	0.009	0.018	0.016	-0.002
1BH	HORTF090H	6	0.50	0.009	0.019	0.016	-0.003
1BH	HORTF090K	6	0.50	0.009	0.018	0.016	-0.002
1BH	HORTF090M	6	0.50	0.008	0.016	0.016	0.000
1BH	HORTF090P	6	0.50	0.008	0.016	0.016	0.000
1BH	HORTF090U	6	0.50	0.008	0.016	0.016	0.000
1BH	HORTF090Z	6	0.50	0.008	0.016	0.016	0.000
1BH	HORTF091A	6	0.50	0.008	0.016	0.016	0.000
1BH	HORTF091B	6	0.50	0.008	0.016	0.016	0.000
1FA	ARTF004A	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF004B	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF004C	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF004D	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF004E	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF005B	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF015B	23	2.00	0.044	0.022	0.016	-0.006
1FA	ARTF019A	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF019B	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF019C	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF019D	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF019E	35	3.00	0.044	0.015	0.016	0.001

1FA	ARTF019F	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF039.	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF040.	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF045A	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF045B	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF047A	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF047B	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF073.	35	3.00	0.044	0.015	0.016	0.001
1FA	ARTF096.	35	3.00	0.044	0.015	0.016	0.001
1FA	MUSF012A	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF012B	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF014A	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF014B	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF014C	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF015A	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF015B	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF015C	12	1.00	0.015	0.015	0.016	0.001
1FA	MUSF058B	12	1.00	0.044	0.044	0.016	-0.028
1FA	MUSF058C	12	1.00	0.044	0.044	0.016	-0.028
1FA	MUSF081B	18	1.50	0.022	0.015	0.016	0.001
1FA	MUSF082D	12	1.00	0.044	0.044	0.016	-0.028
1FA	PHOTF001.	18	1.50	0.022	0.015	0.016	0.001
1FA	PHOTF002.	23	2.00	0.022	0.011	0.016	0.005
1FA	THTRF040A	35	3.00	0.044	0.015	0.016	0.001
1FA	THTRF040B	35	3.00	0.044	0.015	0.016	0.001
1FA	THTRF043E	35	3.00	0.044	0.015	0.016	0.001
1FA	THTRF044A	36	3.10	0.044	0.014	0.016	0.002
1FA	THTRF046A	23	2.00	0.03	0.015	0.016	0.001
1FA	THTRF046B	23	2.00	0.03	0.015	0.016	0.001
1FA	THTRF046C	23	2.00	0.03	0.015	0.016	0.001
1FA	THTRF047A	216	18.50	0.267	0.014	0.016	0.002
1FA	THTRF047B	216	18.50	0.267	0.014	0.016	0.002
1FA	THTRF049A	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF049B	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF049C	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF056.	35	3.00	0.044	0.015	0.016	0.001
1FA	THTRF063A	35	3.00	0.044	0.015	0.016	0.001
1FA	THTRF099A	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF099B	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF099C	108	9.30	0.133	0.014	0.016	0.002
1FA	THTRF099E	144	12.30	0.178	0.014	0.016	0.002

1FA	THTRF099F	144	12.30	0.178	0.014	0.016	0.002
1PE	DANCF001A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF001B	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF002A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF002B	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF003A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF003B	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF004A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF004B	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF004C	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF007.	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF011B	70	6.00	0.1	0.017	0.017	0.000
1PE	DANCF011C	70	6.00	0.1	0.017	0.017	0.000
1PE	DANCF012B	70	6.00	0.1	0.017	0.017	0.000
1PE	DANCF013A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF014.	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF018A	35	3.00	0.05	0.017	0.017	0.000
1PE	DANCF018B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF016.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF018.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF019.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF020.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF021A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHDAF022.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF010A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF010B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF011A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF011B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF011C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF013.	34	2.90	0.05	0.017	0.017	0.000
1PE	PHEDF013B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF013C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF014.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF018.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF018B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF019B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF019C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF020A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF020B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF020C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF021.	35	3.00	0.05	0.017	0.017	0.000

1PE	PHEDF021A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF021B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF021C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF021D	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF021E	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF022.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF022A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF022B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF022C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF023A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF023B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF024.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF024A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF024C	70	6.00	0.1	0.017	0.017	0.000
1PE	PHEDF024D	70	6.00	0.1	0.017	0.017	0.000
1PE	PHEDF025A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF025B	70	6.00	0.1	0.017	0.017	0.000
1PE	PHEDF026.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF026A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF026C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF026D	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF027.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF027A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF031A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF031B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF036A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF036B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF036C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF037.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF037A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF038A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF038B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF038C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF040.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF040A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF040C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF041.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF041A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF041B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF042.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF045.	36	3.10	0.05	0.016	0.017	0.000

1PE	PHEDF045A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF045C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF046.	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF046A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF046B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF047B	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF047C	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF049A	35	3.00	0.05	0.017	0.017	0.000
1PE	PHEDF049B	35	3.00	0.05	0.017	0.017	0.000
1PS	ASTRF010L	23	2.00	0.044	0.022	0.022	0.000
1PS	CHEMF001A	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF001B	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF001C	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF012A	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF012B	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF012C	47	4.00	0.089	0.022	0.022	0.000
1PS	CHEMF020.	23	2.00	0.044	0.022	0.022	0.000
1PS	CHEMF025.	23	2.00	0.044	0.022	0.022	0.000
1PS	CHEMF030A	23	2.00	0.044	0.022	0.022	0.000
1PS	CHEMF030B	23	2.00	0.044	0.022	0.022	0.000
1PS	ENGRF006.	35	3.00	0.067	0.022	0.022	0.000
1PS	ENGRF010.	70	6.00	0.133	0.022	0.022	0.000
1PS	ENGRF037L	35	3.00	0.067	0.022	0.022	0.000
1PS	ENGRF045.	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF002A	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF002B	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF002C	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF004A	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF004B	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF004C	23	2.00	0.044	0.022	0.022	0.000
1PS	PHYSF004D	23	2.00	0.044	0.022	0.022	0.000
1SE	ALCAF201.	36	3.10	0.05	0.016	0.016	0.000
1SE	ALLDF206.	70	6.00	0.1	0.017	0.016	-0.001
1SE	ALLDF207.	35	3.00	0.05	0.017	0.016	-0.001
1SE	ALTWF208.	54	4.60	0.075	0.016	0.016	0.000