

OIS INSTRUCTOR DATABASE

A Repository of Data Pertaining to
University of Washington Instructors, Classes and Class Enrollment

as of November 30, 2011

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OIS INSTRUCTOR DATABASE

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Introduction

The OIS Instructor Database covers all persons reported as giving credit instruction beginning with Autumn Quarter, 1993. Persons giving credit instruction are instructors. Credit instruction includes that offered through Educational Outreach (formerly known as University Extension) and other self-sustaining programs. The OIS Instructor Database covers instructors at the Seattle, Bothell and Tacoma campuses and instructors affiliated with the same campuses regardless of the campus sponsoring the instruction.

All data in the OIS Instructor Database is taken from the University's Faculty Workload System. The Faculty Workload System is an integral part of the Student Information System. The OIS Instructor Database is constructed once each Quarter (including Summer) and is updated within two weeks of the end of each academic term.

All data is held in tables. A table is composed of columns and rows with the intersection of a column and row being either empty (null) or holding one and only one value. A table represents a thing, either tangible or intangible, such as an instructor. A column represents attributes or characteristics about the thing the table represents. A row represents a specific instance, such a particular student, represented by the table. Hence, every row and column intersection is a fact. Facts in a table may be accessed by instance (row), attribute (column) or instance and attribute combination.

An example of a table, representing baseball players who are pitchers, is shown below:

Pitcher	Hits	Strike Outs	Walks	Runs	Earned Runs	Innings Pitched
A	25	10	5	15	14	40
B	50	27	35	32	28	89
C	87	23	8	56	56	123
D	34	45	67	7	6	56
E	0	1	4	1	1	1

An example of accessing facts by column (attribute) is shown below:

How many runs were scored?

Runs
15
32
56
7
1

An example of accessing facts by instance (row) is shown below:

What are the statistics of pitcher C?

Pitcher	Hits	Strike Outs	Walks	Runs	Earned Runs	Innings Pitched
C	87	23	8	56	56	123

An example of accessing facts by column (attribute) and instance (row) is shown below:

What Pitchers had more than twenty (20) strike outs and how many strike outs did they have?

Pitcher	Strike Outs
B	27
C	23
D	45

Two or more tables may be used together. Use of two or more tables together is called a join. A join is accomplished by merging tables or parts of tables together on the basis of keys. Keys permit joining tables together on the basis of data values or, as they are sometimes called, facts.

In addition to the OIS Instructor Database a user may be able to access data in the OIS Finance, OIS Class Meeting and Space Use, OIS Student and other databases as they become operational.

Purpose and Limitations of the Database

The purpose of the OIS Instructor Database and related OIS databases is to provide a research, analytic and management data resource. These databases are organized around subjects such as instructor, class meetings or course offerings. They are integrated in that subjects are related to one another. They are non-volatile in that data is composed of condition snap shots and they are time-variant in that all data is stated as being current as of a particular time point.

These databases are a resource which should not be used to support ongoing administrative processes. The databases are not a transaction processing system and reflect transactions processed only at the time the database is updated. As an example the database should not be used to determine the instructor of a given class then currently meeting but may be used to determine past classes instructed and courses of those classes by a given instructor or group of instructors.

All data in the OIS Instructor database are taken from University information systems. The accuracy of the database is no more accurate than the underlying data first created and stored in University information systems at the time the data is extracted. Every effort has been made to reliably and properly extract data from these information systems. But the OIS Instructor Database can be no more accurate than this underlying sources.

Structure of the OIS Instructor Database - An Overview

The OIS Instructor Database is organized around three (3) primary tables. These tables are:

OIS_Faculty_Activity
OIS_Instructor_Class_Meetings, and
OIS_FWS_Enrollment

These three (3) tables, for purposes of this documentation, are called data tables.¹ The interrelationships of these data tables are shown on Chart 1.

In addition to the three (3) data tables the Database contains tables translating various coding schemes used in the data tables into English language phrases and labels. These coding scheme translation tables are called, for the purposes of this documentation, 'lookup' tables. Lookup tables used in the Database in conjunction with the data tables are listed in Appendix A. Also shown are the data table keys that should be used to navigate to the lookup tables.

The OIS Instructor Database tables are stored in a relational database. The primary and foreign keys used to navigation between tables in this database are shown in Appendix B.

the OIS Instructor Database may be accessed on the University of Washington campus network by addressing:

parناسus.u.washington.edu

¹ There are many more tables than three (3) data tables in the OIS Instructor Database. These three tables are the core of the database and should be well understood. These three tables are basic building blocks.

To access the Database, an authorized user is required to use any Oracle Structured Query Language (SQL) tool or similar Oracle (version 7) compliant database Structured Query Language (SQL) tool. SQL tools may run on any operating system or platform (Windows, DOS, Unix, OS/2, Mac, etc.) utilizing an Open System Interface and TCP/IP communication protocol.² Example Oracle compliant SQL tools are MS Access with ODBC (Windows), GQL (Mac, Windows, and Unix), Q+E (Windows), Pablo Report Writer (Mac) and SQL Assist Report Wrtier (Unix and Windows).

To receive authorization to access OIS Instructor Database tables please contact:

Bruce Vik
OIS Database Administrator
187 Administration Building
Box 351263
(206) 685-9953
brucev@u.washington.edu

For assistance in using the OIS Instructor Database please contact:

Phil Hoffman
Office of Institutional Studies
187 Administration Building
Box 351263
(206) 685-9956
hoffphil@u.washington.edu

² The configuration of the user may require the installation of Oracle SQL *Net - TCP/IP Adapter communications software.

OIS INSTRUCTOR DATABASE DATA TABLES

The three (3) data tables in the database are:

OIS_Faculty_Activity
OIS_Instructor_Class_Meetings, and
OIS_FWS_Enrollment

OIS_FACULTY_ACTIVITY

The primary key for FWS_FACULTY_ACTIVITY is Year, Quarter and Employee_Id. Each instance of primary key represents a person holding a University appointment who was an instructor³ during the indicated Year and Quarter. Data have been collected since Autumn Quarter, 1993 and thereafter.

OIS_Faculty_Activity instance attributes are:

<u>Attributes</u>	<u>Data Type</u>	<u>Length (In Bytes)</u>
YEAR	Text	4
QUARTER	Text	1
EMPLOYEE_ID	Text	9
HOME_DEPT_BUDGET	Text	6
NAME	Text	30
JOB_CLASS	Text	6
UPDATE_DATE	Text	8
OTHER_FAC_STUD_CONTACT_HRS	Number (Double)	8
OTHER_INST_REL_ACTIVITIES_HRS	Number (Double)	8
TOTAL_DIRECT_INSTR_FTE	Number (Double)	8
INST_RELATED_RES_SCHOLAR_HRS	Number (Double)	8
INST_RELATED_RES_SCHOLAR_FTE	Number (Double)	8
ADMIN_SRV_HRS	Number (Double)	8
ADMIN_SRV_FTE	Number (Double)	8
ST_BUD_RES_HRS	Number (Double)	8
ST_BUD_RES_FTE	Number (Double)	8
ST_BUD_PUB_SRV_HRS	Number (Double)	8
ST_BUD_PUB_SRV_FTE	Number (Double)	8
SPONSORED_RES_HRS	Number (Double)	8
SPONSORED_RES_FTE	Number (Double)	8
OTHER_NON_ST_FUNDED_HRS	Number (Double)	8
OTHER_NON_ST_FUNDED_FTE	Number (Double)	8
TOTAL_APPT_FTE	Number (Double)	8
COMPLETENESS_LEVEL	Text	1
TEACHING_THIS_QUARTER	Text	1
FUND_SOURCE	Text	1

³ Beginning with Fall, 1994 the scope of inclusion is those persons who are instructors or who had been named as instructors.

FWS_INSTRUCTOR_CLASS_MEETINGS

The primary key in **FWS_INSTRUCTOR_CLASS_MEETINGS** is:

A)

- 1) Each instance an Instructor Class Meeting represents the unique class meetings.
- 2) It is important to remember that more than one instructor can teach a class.
 - Year,
 - Quarter,
 - Employee_Id,
 - Faculty_Sequence_No,
 - Course_Branch,
 - Curric_Abbr,
 - Course_No,
 - Section_Id and,
 - Meeting_No.

B) A section is a type of class meeting

C) Class meeting is a subset of a course

Example: ECON 200 Section AB
ECON 200 Section AC

All data from Instructor Class meeting are collected directly from the UW time schedule.

OIS_Instructor_Class_Meetings instance attributes are:

<u>Attribute</u>	<u>Data Type</u>	<u>Length (In Bytes)</u>
YEAR	Text	4
QUARTER	Text	1
EMPLOYEE_ID	Text	9
FACULTY_SEQUENCE_NO	Text	5
COURSE_BRANCH	Text	1
CURRIC_ABBR	Text	6
COURSE_NO	Text	3
SECTION_ID	Text	3
MEETING_TYPE	Text	2
MEETING_NO	Text	1
PERCENT_INVOLVEMENT	Number (Intege	2
CREDIT	Text	9
HRS	Number (Double	8
FTE	Number (Double	8
UPDATE_DATE	Text	8
EVENING_DEGREE	Text	1

OIS_FWS_ENROLLMENT

The primary key **FWS_FWS_ENROLLMENT** is year and quarter which enrolled students in class meetings.

A class meeting may exist for which the the instructor is unknown. Because a course offering may be instructed in one or more class meetings, the sum of enrollment for all instances in **OIS_FWS_ENROLLMENT** is greater than the sum of course enrollment.

A instance in the table **OIS_FWS_ENROLLMENT** is either:

An assembly of instructor(s) and students at a scheduled time or place, or
All independent study registrations for the indicated faculty sequence
number for the indicated course

(see Notes above on use of the Table OIS_Instructor_Class_Meetings.)

Attributes in **OIS_FWS_ENROLLMENT** are:

<u>Attribute</u>	<u>Data Type</u>	<u>Length (In Bytes)</u>
YEAR	Text	4
QUARTER	Text	1
COURSE_BRANCH	Text	1
CURRIC_ABBR	Text	6
COURSE_NO	Text	3
SECTION_ID	Text	3
FACULTY_SEQUENCE_NO	Text	5
MEETING_NO	Text	1
ENROLL_10	Number (Double	8
SCH_10	Number (Double	8

Course is comprised of class meetings which can be broken out into sections. Since enrollments are counted out in sections, there may be multiple sections, that some students may be counted a number of times in this table.

Example: 10 in Section A
 10 in Section B

GLOSSARY: FWS_FACULTY_ACTIVITY

YEAR Annual calendar year.

QUARTER Academic quarter. (Winter, Spring, Summer, Fall)

EMPLOYEE_KEY a unique identifier of an employee, specific to this system.
Not social security number.

HOME_DEPT_BUDGET The budget number assigned in (HEPPS). To identify Instructor's home department. The home department is responsible for personnel decisions and actions for the indicated Instructor. (Note: an Instructor may be paid from budget sources outside that of the home department).

JOB_CLASS identifies the Instructor's class of duties expected to be performed. The JOB_CLASS shown in that of the first appointment, if more than one, as recorded in the Higher Education Personnel and Payroll System.

UPDATE_DATE this attribute is not now supported and should not be used. It is reserved for future use.

OTHER_FAC_STUD_CONTACT_HRS this attribute is not now supported and should not be used. It is reserved for future use.

OTHER_INST_REL_ACTIVITIES_HRS this attribute is not now supported and should not be used. It is reserved for future use.

TOTAL_DIRECT_INSTR_FTE this attribute is not now supported and should not be used. It is reserved for future use.

INST_RELATED_RES_SCHOLAR_HRS this attribute is not now supported and should not be used. It is reserved for future use.

INST_RELATED_RES_SCHOLAR_FTE this attribute is not now supported and should not be used. It is reserved for future use.

ADMIN_SRV_HRS this attribute is not now supported and should not be used. It is reserved for future use.

ADMIN_SRV_FTE this attribute is not now supported and should not be used. It is reserved for future use.

ST_BUD_RES_HRS this attribute is not now supported and should not be used. It is reserved for future use.

ST_BUD_RES_FTE this attribute is not now supported and should not be used. It is reserved for future use.

ST_BUD_PUB_SRV_HRS this attribute is not now supported and should not be used. It is reserved for future use.

ST_BUD_PUB_SRV_FTE this attribute is not now supported and should not be used. It is reserved for future use.

SPONSORED_RES_HRS this attribute is not now supported and should not be used. It is reserved for future use.

SPONSORED_RES_FTE this attribute is not now supported and should not be used. It is reserved for future use.

OTHER_NON_ST_FUNDED_HRS this attribute is not now supported and should not be used. It is reserved for future use.

OTHER_NON_ST_FUNDED_FTE this attribute is not now supported and should not be used. It is reserved for future use.

TOTAL_APPT_FTE this attribute is not now supported and should not be used. It is reserved for future use.

COMPLETENESS_LEVEL this attribute is not now supported and should not be used. It is reserved for future use.

TEACHING_THIS_QUARTER this attribute is not now supported and should not be used. It is reserved for future use.

FUND_SOURCE this attribute is not now supported and should not be used. It is reserved for future use.

TABLE: OIS_INSTRUCTOR_CLASS_MEETINGS

Entity Represented: An association of an instructor and the class meeting being instructed.

An Entity Is Uniquely Represented By (primary key): Year, Quarter, Employee_id, Faculty_Sequence_No, Course_Branch, Curric_Abbr, Course_No, Section_Id, and Meeting_No.

Attributes of Instances in this table are:

YEAR is the annual calendar period.

QUARTER is the academic term. (See Lookup Table - OIS_Quarter).

FACULTY_SEQUENCE_NO a unique identifier of an instructor within a **Curric_Abbr**. This attribute is applicable only to those instances which have a IS (independent study) **Meeting_Type** (see below) and is used to distinguish one instructor of an independent study course offering from another. **Faculty_Sequence_No** is set to 000000 where Meeting_Type is not equal to IS. An instructor identified by **Employee_Id** may have more than one **Faculty_Sequence_No** in any given year and quarter but one and only one **Faculty_Sequence_No** in any given Year, Quarter and **Curric_Abbr**.

COURSE_BRANCH an indicator of the University campus of the course offering where:

- 0 = Seattle,
- 1 = Bothell
- 2 = Tacoma.

Note: In the University's Student Information System the Evening Degree Program is often regarded as a campus. In the OIS Student Database the evening degree program is considered a Seattle campus program. Evening degree program course offerings, course registrations and enrolled students are identified by means other than campus coding. (Please see attribute EVENING_DEGREE in table OIS_Time_Schedule).

CURRIC_ABBR is an indicator of a body of knowledge comprised of one or more courses. (See Lookup Table OIS_Curriculum).

COURSE_NO the identification of a specific course. **COURSE_NO** has meaning only in conjunction with **CURRIC_ABBR**. (Note: A course is the fundamental unit by which knowledge is formally organized for presentation to enrolled students.) **Course_No**, by tradition, in the range of 100 - 499 does indicate that the course is intended to be attempted by undergraduate students and that

Course_No greater than 499 are intended to be attempted to be taken by graduate and professional students. However, graduate and professional students do attempt courses having a Course_No in the range of 100 - 499 and undergraduates do attempt courses having a Course_No greater than 499.

SECTION_ID the identification of a course offering. (Note: SECTION_ID has meaning only when used in conjunction with year, quarter, course_branch, curric_abbrev and course_no.)

MEETING TYPE the instructional modality of the class meeting where:

- LC = lecture,
- SM = seminar,
- QZ = quiz,
- ST = studio,
- LB = lab,
- IS = independent study,
- CK = clerkship,
- PR = practicum,
- CO = conference, and
- CL = clinical.

(See Lookup Table OIS_Class_Meeting_Type.)

MEETING_NO is a surrogate key distinguishing one class meeting from another within the same or related group of course offerings.

By way of illustration, assume that for Fall Quarter, 1995 the course ECON 200 was offered as follows:

<u>Section_Id</u>	<u>Meeting Type</u>	<u>Time</u>	<u>Days</u>	<u>Place</u>
AA	LC	9:00-10:00am	MTWT	KNE 270
AA	QZ	10:00-11:00am	F	CMU 170
AB	LC	9:00-10:00am	MTWT	KNE 270
AB	QZ	8:00-9:00am	W	ART 234
AC	LC	9:00-10:00am	MTWT	KNE 270
AC	QZ	1:00-2:00pm	M	PAR 123

In this example, there is one course (ECON 200) being offered three (3) times and instructed in four (4) class meetings. The four (4) class meetings are:

- The lecture (LC) from 9 to 10am on Monday, Tuesday, Wednesday and Thursday which is for students registered for all course offerings AA, AB and AC and which has the same instructor or sets of instructors regardless of the **Section_Id**.

- A quiz (QZ) from 10-11am on Friday which is for students registered for the AA course offering which may or may not have the same instructor(s) as other quiz class meetings and the lecture,
- A quiz (QZ) from 8-9am on Wednesday which is for students registered for the AB course offering which may or may not have the same instructor(s) as other quiz class meetings and the lecture, and
- A quiz (QZ) from 1-2pm on Monday which is for students registered for the AC course offering which may or may not have the same instructor(s) as other quiz class meetings and the lecture.

In the table **OIS_Instructor_Class_Meetings** the following class meetings would appear:

<u>Year</u>	<u>Quarter</u>	<u>Curric_Abbr</u>	<u>Course_No</u>	<u>Section_Id</u>	<u>Meeting_No</u>	<u>Meeting_Type</u>
1995	4	ECON	200	AA	1	LC
1995	4	ECON	200	AB	1	LC
1995	4	ECON	200	AC	1	LC
1995	4	ECON	200	AA	2	QZ
1995	4	ECON	200	AB	2	QZ
1995	4	ECON	200	AC	2	QZ

Because the LC class meeting is common across all the ECON 200 offerings it appears once for each instructor in the table OIS_Instructor_Class_Meetings, as follows:

<u>Year</u>	<u>Quarter</u>	<u>Employee_Id</u>	<u>Faculty</u> <u>Sequence_No</u>	<u>Curric</u> <u>Abbr</u>	<u>Course</u> <u>No</u>	<u>Section</u> <u>Id</u>	<u>Meeting</u> <u>No</u>	<u>Meeting</u> <u>Type</u>
1995	4	999889999	00000	ECON	200	AA	1	LC

and each class meeting of type QZ would be a separate instance.

This same construct is followed, in reporting class meeting enrollment in the table **FWS_Enrollment** (see below).

Note: In the **OIS CLASS MEETINGS AND SPACE USE DATABASE** class meeting instances are recorded in the Table **OIS_Meeting_Times**. Use of the OIS Instructor Database, generally, will not require the use of that table.

The OIS_Meeting_Times primary key is Year, Quarter, Course_Branch, Curric_Abbr, Course_No, Section_Id, Sequence_Num and Meeting_Type. The OIS_Instructor_Class_Meetings table may be joined with OIS_Meeting_Times table where:

```

Year = Year
Quarter = Quarter
Course_Branch = Course_Branch
Curric_Abbr = Curric_Abbr
Course_No = Course_No
Section_Id = Section_Id
Sequence_Num = Meeting_No
Meeting_Type = Meeting_Type

```

And the table **OIS_Meeting_Times** may be joined with the table **OIS_Time_Schedule** (see OIS Student Database) where:

Year = Year
Quarter = Quarter
Course_Branch = Course_Branch
Curric_Abbr = Curric_Abbr
Course_No = Course_No
Section_Id = Section_Id

The Table **OIS_Meeting_Times** records information on class meeting time and place.

PERCENT_INVOLVEMENT is a value between 1 and 100 representing the degree of responsibility for instructing the class meeting relative to all other instructors instructing the class meeting. A value of 100 implies complete responsibility and that there are no other instructors. A value of 50 implies equal responsibility between the a particular instructor and all other instructors of the class meeting. A value of 1 implies minimal responsibility. (Note: the value of this attribute is a judgment of the reporting department and the basis for this judgment may vary from department to department). **Percent_Involvement** is frequently used as a weighing factor to allocate class meeting enrollment (see Table **OIS_FWS_ENROLLMENT**) to instructors when there is more than one class meeting instructors.

CREDIT is the credit hour value of the class meeting course. This credit hour value may be expressed as fixed value, a range of values indicating the maximum and minimum credit hour value, or VAR indicating that the credit value is variable.

HRS is number of instructor contact hours, in a typical week, associated with this instructor and this class meeting. Instructor contact hours is the number of hours taken to deliver instruction. Time expended for purposes other than delivery of instruction, such as class preparation and planning, student advising or grading) is excluded from contact hours. **HRS** may or may not be equal to class meeting clock hours. (Note: contact hours are a property of an instructor in a class meeting. The total number of contact hours for a class meeting would the sum of reported contact hours for all instructors of the class meeting. The total number of contract hours for an instructor would be the sum of reported contact hours for all class meetings of the instructor.)

FTE this attribute is not now supported and should not be used. It is reserved for future use.

UPDATE_DATE this attribute is not now supported and should not be used. It is reserved for future use.

EVENING_DEGREE indicates if the course offering of which the class meeting is a component is part of the Evening Degree Program. T indicates that the course offering is part of the Evening Degree Program. F indicates that it is not. (Note: T and F are characters, not Boolean logic.)

TABLE: OIS_FWS_ENROLLMENT

Entity Represented: A class meeting with reported 10th day enrollment.

An Entity Is Uniquely Represented By (primary key): Year, Quarter, Course_Branch, Curric_Abbr, Course_No, Section_Id, Faculty_Sequence_No and Meeting_No.

Attributes of Instances in this table are:

YEAR is the annual calendar period.

QUARTER is the academic term. (See Lookup Table - OIS_Quarter).

FACULTY_SEQUENCE_NO is a unique identifier of an instructor within a **Curric_Abbr**. This attribute is applicable only to those instances which have a IS (independent study) **Meeting_Type** (see below) and is used to distinguish one instructor of an independent study course offering from another. **Faculty_Sequence_No** is set to 000000 where Meeting_Type is not equal to IS. An instructor identified by **Employee_Id** may have more than one **Faculty_Sequence_No** in any given year and quarter but one and only one **Faculty_Sequence_No** in any given Year, Quarter and **Curric_Abbr**.

COURSE_BRANCH is an indicator of the University campus of the course offering where:

- 0 = Seattle,
- 1 = Bothell
- 2 = Tacoma.

Note: In the University's Student Information System the Evening Degree Program is often regarded as a campus. In the OIS Student Database the evening degree program is considered a Seattle campus program. Evening degree program course offerings, course registrations and enrolled students are identified by means other than campus coding. (Please see attribute EVENING_DEGREE in table OIS_Time_Schedule).

CURRIC_ABBR is an indicator of a body of knowledge comprised of one or more courses. (See Lookup Table OIS_Curriculum).

COURSE_NO the identification of a specific course. **COURSE_NO** has meaning only in conjunction with **CURRIC_ABBR**. (Note: A course is the fundamental unit by which knowledge is formally organized for presentation to enrolled students.) Course_No, by tradition, in the range of 100 - 499 does indicate that the course is intended to be attempted by undergraduate students and that Course_No greater than 499 are intended to be attempted to be taken by graduate

and professional students. However, graduate and professional students do attempt courses having a Course_No in the range of 100 - 499 and undergraduates do attempt courses having a Course_No greater than 499.

SECTION_ID is the identification of a course offering. (Note: SECTION_ID has meaning only when used in conjunction with year, quarter, course_branch, curric_abbr and course_no.)

MEETING_NO is a surrogate key distinguishing one class meeting from another within the same or related group of course offerings (see description of this attribute for the Table **OIS_Instructor_Class_Meeting** above).

ENROLL_10 is the count of the number of course registrations, as of the tenth day of instruction, applicable to this class meeting. This attribute may also be referred to as Class Meeting Enrollees.

SCH_10 is the sum of student credit hours of the course registrations, as of the tenth day of instruction, applicable to this class meeting. Student credit hours are assigned to class meetings. Where a course offering is instructed in more than one class meeting, the student credit hours attempted are assigned to the primary class meeting (Meeting_No = 1). For example, this results in a lecture being assigned all and quiz classes being assigned none of the credit hours attempted where the offering is instructed in a mutiple class meeting environment.

Note: To determine how many credit hours or class meeting enrollees were instructed by a given instructor it would be necessary to join the tables **OIS_Instructor_Class_Meetings** and **OIS_FWS_Enrollment** and to weigh **ENROLL_10** and/or **SCH_10** by the attribute **PERCENT_INVOLVEMENT**. This weighting controls for instructors "team" teaching a class meeting. The following formula should be used:

Class Meeting Enrollees Instructed = $\text{Enroll}/10 * (\text{Percent_Involvement} / 100)$

SCH Instructed = $\text{SCH}_{10} * (\text{Percent_Involvement} / 100)$

APPENDIX A

LOOKUP TABLES USED IN ASSOCIATION WITH DATA TABLES IN THE OIS INSTRUCTOR DATABASE

Lookup Table	Primary Key	Notes On Use
FI_BUDGET_INDEX	FISCAL_YEAR BUDGET_NO	This table should only be used when joined with Quarter_To_Fiscal_Year and Faculty_Activity. This table sets forth attributes of budgets including the Department responsible and supported by the subject budget. Generally, FISCAL_YEAR should be joined upon from QUARTER_TO_FISCAL_YEAR and BUDGET_NO should be joined upon from FACULTY_ACTIVITY (HOME_DEPT_BUDGET).
FI_ORG_DEPT	FISCAL_YEAR ORG_DEPT	This table sets for the attributes of a Department, including sub-college, college, unit and campus parents. Generally, a join should be on this table's primary key.
OIS_CLASS_MEETING_TYPE	CLASS_MEETING_TYPE_CODE	This table translates CLASS_MEETING_TYPE_CODE into a string literal. Generally, a join should be on this table's primary key.
OIS_CURRICULUM literal and be on this	COURSE _BRANCH CURRIC_ABBR	This table translates CURRIC_ABBR into a string associates a curriculum to a Department (CURRIC_ORG_DEPT). Generally, a join should be on this table's primary key.
OIS_FAC_REP_CLASS Generally, key.	FAC_REP_CLASS	This table translates FAC_REP_CLASS into a string literal and associates the class to a higher order group called FAC_REP_CLASS_GROUP. Also provided is a print order attribute that may be used in report preparation.). a join should be on this table's primary key.
OIS_FAC_REP_CLASS_GROUP	FAC_REP_CLASS_GROUP	This table translates FAC_REP_CLASS_GROUP into a string literal.
OIS_JOB_CLASS	JOB_CLASS	This table translates JOB_CLASS into a string literal and associates a specific JOB_CLASS to a group of similarly classified JOB_CLASSES called FAC_REP_CLASS.
OIS_ORG_DEPT table	YEAR QUARTER ORG_DEPT	This table should only be used when joined with another that provided data navigation values for YEAR and QUARTER and CURRIC_ORG_DEPT from the table OIS_CURRICULUM. ⁴
OIS_QUARTER_TO_FISCAL_YEAR join	YEAR QUARTER	This table associates an academic term to a fiscal year. It should always be used when joining the tables FACULTY_ACTIVITY and BUDGET_INDEX. Generally, a join should be on this table's primary key.

⁴ Table OIS_ORG_DEPT in other databases may also be joined with the tables OIS_MAJOR and OIS_DEGREE.

APPENDIX B

PRIMARY AND FOREIGN KEY RELATIONSHIPS IN THE OIS INSTRUCTOR DATABASE