

DATA WAREHOUSE

STUDENT DATA USER GROUP

JULY 14, 2022

Remote meeting reminders

- Please turn off your video function, and make sure you are on Mute.
- Please **enter your questions in the chat function**. We will pause periodically during today's meeting for comments and questions. You can also use the "raise hand" reaction, and when we pause for questions one of our team members will call on you.

Agenda

1. Data collections' refresh schedule
2. Degree Works update
3. Future terms have data "as-of" latest available term
4. Student Status codes in ST_TERM
5. Using ST_DEGREE_OUTCOME and ST_DEG_OUTCOME_MAJOR
6. Course Admin codes in COURSE, and other new columns
7. Other recent updates
8. Grad Funding updates
9. Q&A and Wrap-up

Scheduling issues over the last few weeks

- Since going live in March of 2022 – the Pennant Student Data Load has run fairly consistently in the early morning hours
- Recently, there have been some delays, or even cancellations of the Student Warehouse jobs
- As the project continues to add new process and integrations, the interdependencies of the nightly sequence becomes more complex
- Some jobs have been running longer than usual, or starting later than usual
- This can cause delays in processes that are further down schedule, such as the Warehouse jobs
- The team is looking at reworking the dependencies of the Warehouse loads processes, to move them up early in the sequence
- We hope to have these changes in place by the end of next week

Degree Works - update

- Tables with Degree Works data fully populated in WHSE (begin with DGW_)
- Resources:
 - <https://www.isc.upenn.edu/degree-planning-and-audit-data-collection>
 - Webi Public Folders: Public Folders/Student/Degree Planning and Auditing
- Invite for meeting to specifically go over the Degree Planning and Audit universe

Terms in the future

The source system for Pennant (Banner) stores data as term-effective.

For the warehouse, we fill in the gaps and build out terms, so that we have data stored term-by-term. If a student has not graduated, not dropped, withdrawn or become inactive for any reason, we will build out term records for tables that contains term-by-term data, to the next-next term (two terms into the future). When we do this, we are simply copying forward the most recent term's data.

A future term can exist with some of the current term's information.

Example: A sophomore in the current term. We build out two terms into the future, but they will still look like a sophomore... until they aren't anymore.

Student Status

Earlier this Summer 2022 term, we saw many students who had just graduated, but who still had a status of 'AS'.

This was an unusual year: the Records team was carefully checking and making needed corrections to all of the Spring 2022 graduation records before setting students to a status of 'IG'.

Normally, you will be able to rely on the Student Status in the ST_TERM table to tell you whether or not the student is active in a term. Note, however, that the status can change over the course of a term – the status you see today might change tomorrow.

Also please remember that the Student Status is their *overall* status: they might have graduated from one program but remain active in another.

Never use the status of 'IG' to get a list of people who have graduated.

ST_Degree_Outcome and ST_Deg_Outcome_Major

Outcomes in DW based on SHRDGMR table, viewable in AppNav via:

- Degree and Other Formal Awards (SHADEGR)
- Degree Summary (SHADGMQ)
- Diploma (SHADIPL) -> Degree Summary

Replaces Degree_Received table but Outcomes also has rows BEFORE the degree is awarded. Degree_status does not have to be 'AW'.

NOTE: Many degree codes and Major codes in Banner are different from SRS. Refer to DWNGSS.V_DEGREE, DWNGSS.V_MAJOR_MINOR

ST_Degree_Outcome and ST_Deg_Outcome_Major

ST_DEGREE_OUTCOME designed so that you won't need ST_DEG_OUTCOME_MAJOR for simplest cases.

- If all you need is the primary major/ concentration, then you don't need Degree Outcome Major Minor

IDM	DEGREE_SEQ_NUM	DWLD_CURRIC_ID	DIVISION	DEGREE_CODE	PROGRAM_CODE	DEGREE_LEVEL	STUDENT_LEVEL	MAJOR	MAJOR_DESC	CONCENTRATION	CONCENTRATION_DESC	DEGREE_STATUS	DEGREE_STATUS_DESC
5748	1	729234	AU	BA	AU_BA	BA	UG	ENGL	English	CRWR	Creative Writing	AW	Awarded

- If you do have a need to use Degree Outcome Major Minor, remember that there can be 1 to many rows per Degree Outcome. use Degree_Order, Major_Minor_Type, Major_Minor_Order to distinguish the info returned: Major 1, Concentration 1, Minor 1, Minor2, Major 2, etc...

PIDM	DWLD_CURRIC_ID	DEGREE_ORDER	MAJOR_MINOR_TYPE	MAJOR_MINOR_ORDER	MAJOR_MINOR_PRIORITY_NO	MAJOR_MINOR	MAJOR_DESC	CONCENTRATION	CONCENTRATION_DESC
65748	729234	1	MAJOR	1	10	ENGL	English	CRWR	Creative Writing
65748	729234	1	MAJOR	2	20	CIMS	Cinema and Media Studies		
65748	729234	1	MINOR	1	10	CNPS	Consumer Psychology		

New Description columns in Course-related tables

COURSE

- COURSE_ADMIN_DESC
- CRSE_CLASIF_LEVEL_DESC
- TERMS_OFFERED_DESC
- PREREQ_CHECK_METHOD_DESC
- SCHED_PRIORITY_RULE_DESC
- CRSE_SECT_GRADE_MODE

COURSE_ID	COURSE_ADMIN_CODE	COURSE_ADMIN_DESC	COURSE_CL...	COURSE_CLASIF_LEVEL_DESC	TERMS_OFFERED	TERMS_OFFERED_DESC	PRE...	PREREQ_CHECK_METHOD_DESC	SCHED_PRIO...	SCHED_PRIORITY_RULE_DESC
MCS6990	AUMD	COL-ADMIN-Masters Degree	3	Advanced	C	1 term: Either	B	Banner Basic	H	Gr/Prof Majrs/Gr Grp Othr Gr/P
EDUC5900	GMOT	GSE-ADMIN-Other					B	Banner Basic	A	Undergrad Seniority & Major P

New Description columns in Course-related tables

CRSE_GRADE_MODE - GRADE_MODE_DESC

COURSE_ID	TERM	GRADE_MODE_CODE	GRADE_MODE_DESC
ACCT6130	202220	U	Satisfactory/Unsatisfactory
ACCT7060	202220	T	Multiterm Courses
ACCT7060	202220	W	Wharton Grad
ACCT7430	202220	P	Pass/Fail
ACCT7430	202220	S	Standard Letter Grade

CRSE_LEVEL – LEVEL_DESC

COUR...	LEVEL_CODE	LEVEL_DESC
COML1200	HS	High School
COML1200	LW	Law
COML1200	PR	Professional
COML1200	GR	Graduate/Research
COML1200	UG	Undergraduate

CRSE_SCHED_TYPE - SCHED_TYPE_DESC

COUR...	SCHED_TYPE_CODE	SCHED_TYPE_DESC
AFRC1401	FLD	Field Work
AFRC1401	SEM	Seminar
MEAM0099	IND	Independent Study
MEAM2470	LAB	Laboratory
MEAM2470	LEC	Lecture
MEAM5030	REC	Recitation
MEAM5030	LEC	Lecture

New Description columns in Course-related tables

COURSE_SECTION

- COURSE_ADMIN_CODE, COURSE_ADMIN_DESC
- SCHEDULE_TYPE_DESC
- INSTRUCT_METHOD_DESC
- PREREQ_CHECK_METHOD_DESC

SECTION_ID	COURSE_ADMIN_CODE	COURSE_ADMIN_DESC	SCHEDULE_TYPE	SCHEDULE_TYPE_DESC	INSTRUCT_METH	INSTRUCT_METHOD_DESC	PREREQ_CHECK_METHOD	PREREQ_CHECK_METHOD_DESC
FNAR2160401			STU	Studio	IC	In Class	B	Banner Basic
NURS2450101	NUBH	NUR-ADMIN-BHS Department	CLN	Clinical	CL	Clinical Based Learning	B	Banner Basic
NURS2450201	NUBH	NUR-ADMIN-BHS Department	LAB	Laboratory	IC	In Class	B	Banner Basic
STAT7110401			LEC	Lecture	OL	Online	B	Banner Basic

Other recent updates

ST_THESIS DISS_COMMITTEE – New description columns

- COMMITTEE_DESC
- MEMBER_FUNCTION_DESC
- MEMBER_STATUS_DESC

PIDM	MEMBER_PIDM	COMMITTEE_TYPE	COMMITTEE_DESC	MEMBER_FUNCTION	MEMBER_FUNCTION_DESC	MEMBER_STATUS	MEMBER_STATUS_DESC
46446	174644	DISCOM	Dissertation Committee	O	Co-Supervisor	A	Active
46446	163492	DISCOM	Dissertation Committee	O	Co-Supervisor	A	Active
46446	164820	DISCOM	Dissertation Committee	R	Reader	A	Active
46446	174091	DISCOM	Dissertation Committee	R	Reader	A	Active
59978	161219	DISCOM	Dissertation Committee	S	Supervisor	A	Active
59978	161219	MSTCOM	Master Thesis Committee	S	Supervisor	A	Active

Other recent updates

Classification calculation revised. Based on term-by-term term, not term-effective term. Affects ST_TERM , ST_DEGREE_TERM, ST_DEGREE_PURSUAL.

(example from ST_TERM)

PIDM	TERM ▲	STUDENT_STATUS	STUDENT_STATUS_DESC	STUDENT_TYPE	STUDENT_TYPE_DESC	PRIMARY_LEVEL	PRIMARY_PROGRAM	CLASSIFICATION	CLASSIFICATION_DESC	PENN_CLASSIFICATION	PENN_CLASSIFICATION_DESC
137306	202030	AS	Active	F	Freshman	UG	EU_BSE	FR	Freshman	PCFR	Penn Classification Freshman
137306	202110	AS	Active	C	Continuing	UG	EU_BSE	FR	Freshman	PCFR	Penn Classification Freshman
137306	202120	AS	Active	C	Continuing	UG	EU_BSE	SO	Sophomore	PCSO	Penn Classification Sophomore
137306	202130	AS	Active	C	Continuing	UG	EU_BSE	SO	Sophomore	PCSO	Penn Classification Sophomore
137306	202210	AS	Active	C	Continuing	UG	EU_BSE	JR	Junior	PCSO	Penn Classification Sophomore
137306	202220	AS	Active	C	Continuing	UG	EU_BSE	JR	Junior	PCJR	Penn Classification Junior
137306	202230	AS	Active	C	Continuing	UG	EU_BSE	JR	Junior	PCJR	Penn Classification Junior
137306	202310	AS	Active	C	Continuing	UG	EU_BSE	JR	Junior	PCJR	Penn Classification Junior

Graduate Funding updates

The following new tables have been added to DWNGSS, and incorporated into the Grad Funding universe:

GF_BANNER_CHARGE_MONEY

GF_BANNER_PROGRAM (lookup table, for GF_BANNER_CHARGE_MONEY)

GF_CAMPUS (lookup table, for GR_BANNER_CHARGE_MONEY)

GF_STUDENT_ATTRIBUTE

GF_ATTRIBUTE (lookup table, for GF_STUDENT_ATTRIBUTE)

GF_STUDENT_CLASSIFICATION

GF_CLASSIFICATION (lookup table, for GF_STUDENT_CLASSIFICATION)

GF_STUDENT_COHORT

GF_COHORT (lookup table, for GF_STUDENT_COHORT)

GF_STUDENT_RATE_CODE

GF_RATE_CODE (lookup table, for GF_STUDENT_RATE_CODE)

Questions?

Wrap-up

Reminders:

Read-only access to SRS is still available for the time being
Advance Registration for new undergrads and Law happening in July

Follow-up questions/comments: da-staff@isc.upenn.edu

Discussions about student data: student-wh@lists.upenn.edu