Data Warehouse
Student Data User Group Meeting

March 20, 2019
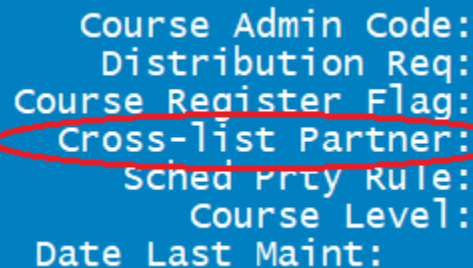
Agenda

- Course Inventory fields re-purposed on SRS screen 125

- New Military Affiliated fields on SRS screen 119

- What's happening in the 2020-2021 academic year

- Course renumbering in Pennant Records

- Banner term-effective/term-by-term data and the Data Warehouse

- Instructor data moving to Workday this summer

- The dangers of using stale bio/demo data

- Wrap up

Course Inventory fields re-purposed: Register_Subgroup_1, Register_Subgroup_2

Register_Subgroup_1 (RI156) has been re-labeled "Cross-list Partner" on SRS screen 125:

PO - Primary Owner

SO - Secondary Owner

Matches cross-list functionality in the new Curriculum Management system.

Column names in the warehouse table not changed.

(still Register_Subgroup_1, _2)

The object in the STDTCANQ universe Course Inventory folder has been re-named "Cross-list Partner."

Register_Subgroup_2 (RI157) is being retired.

Data element was removed from screen 125. Column remains in the warehouse table, but that column is now empty and should not be used. The corresponding object in STDTCANQ universe was removed.

New Military Affiliated student fields

The new fields on SRS screen 119 will be added to the STUDENT_TERM table:

MA Benefit: type of benefit for which a military affiliated student is eligible in the selected term
MA Election: (Y/N) whether or not the person has elected to use their benefits in the selected term
VA Yellow Ribbon Used: (Y/N) indicates whether a Yellow Ribbon slot is granted to the student in the selected term
VA Certification: indicates the student's term time status submitted to the VA
         (note: this is different from the TIME_STATUS code in DEGREE_TERM)

In addition to the above, the military affiliated student's Vet Claim Number, from SRS screen 8, will be added to the PERSON table.

New Military Affiliated student fields

Valid Values

MA Benefit:
> 06 - CHAPTER 1606 RESERVE EDUC ASSIST PGM
> 07 - CHAPTER 1607 MONTGOMERY BILL
> 30 - CHAPTER 30
> 31 - CHAPTER 31
> 32 - CHAPTER 32
> 33 - CHAPTER 33 …. etc.

VA Certification:
> 1 - FULL TIME
> 2 - 3/4 BUT NOT FULL TIME
> 3 - HALF TIME BUT NOT ¾
> 4 - GRADUATE STUDENT
> 5 - LESS THAN HALF TIME

NGSS updates
Coming in 2020-2021…

Fall 2020

- Financial Aid will begin "packaging" for students who are applying for admission in Fall of 2021
- Courses are getting converted to Banner, in preparation for Advance Registration in the spring
- SRS is still the system-of-record. You will still be doing reporting in the existing Data Warehouse student data collection

Spring 2021

- Students will advance register for Summer 2021 and Fall 2021 courses in Banner
- For everything other than that, SRS is still the system-of-record and you will still be doing reporting in the existing Data Warehouse student data collection
- Last class graduates from SRS in May 2021

NGSS updates
Coming in 2020-2021…

Summer 2021 and going forward
- Banner is the system-of-record
- The Data Warehouse new Pennant Records data collection will be live

For more information about the NGSS project, please visit
http://www.sfs.upenn.edu/ngss/

NGSS update
Course re-numbering in Pennant Records

Old Course ID	New Course ID	New Title
ARTH106	ARTH0106	Architect and History
ARTH732	ARTH7320	Medieval Art History

- SRS 3-digit course numbers are changing to 4-digit numbers in Pennant Records

- There will be a cross-walk table in the Data Warehouse to map old-to-new numbers

- During 2018-19, the Pennant Records team has been working with schools to identify their re-numbering rules.

Note: examples in this presentation are not intended to show real data.
Their purpose is to explain a concept, not present actual course IDs or titles.

Course re-numbering: using the cross-walk to find specific courses

Academic History will have the old course numbers.

Going forward, the new numbers will be used.

So if your query is looking for specific course numbers, you will need to have an 'OR' statement. For example, when looking for enrollments over time in Medieval Art History, look for records where

((Old_course_id = 'ARTH732'

and New_course_id = Course_id in enrollment *)

OR

Course_id = 'ARTH732')

Note that because the re-numbering rules are not always the same, you cannot simply use a wildcard search for 'ARTH732%'

Cross-walk table:

Old Course ID	New Course ID	New Title
ARTH106	ARTH0106	Architect and History
ARTH732	**ARTH7320**	Medieval Art History

Enrollment table:

PENN_ID	TERM	COURSE_ID	SECTION_ID	Title
91827364	200810	ARTH106	001	Architect and History
86756453	200810	**ARTH732**	001	Medieval Art History
17823456	200810	**ARTH732**	001	Medieval Art History
24354657	202130	ARTH0106	001	Architect and History
12345678	202130	**ARTH7320**	001	Medieval Art History
56789012	202130	**ARTH7320**	001	Medieval Art History

* the Business Objects universe will do this join for you)

Course re-numbering: the cross-walk table will sometimes have more than one new number associated with an old number

As part of a current data cleanup effort, particularly related to cross-listed course issues, the College is evaluating curriculum and in some cases, splitting existing courses into multiple courses.

For example, a course like ARTH793 might end up splitting into two courses or more courses. In this example (reminder- this is made-up, for the purposes of explaining a concept) there is one old course number associated with two new ones: ARTH7930 and ARTH7931.

Old Course ID	New Course ID	New Title
ARTH106	ARTH0106	Architect and History
ARTH732	ARTH7320	Medieval Art History
ARTH793	ARTH7930	Film History I
ARTH793	ARTH7931	Film History II

Course re-numbering: using the cross-walk to find specific courses

You will still be able to use the same logic, when working with courses that are split up into multiple new course numbers. Just realize that in these situations, your query will return <u>multiple course numbers</u> from the new data.

((Old_course_id = 'ARTH793'
and New_course_id = Course_id in enrollment *)
OR
Course_id = 'ARTH793')

Old Course ID	New Course ID	New Title
ARTH793	ARTH7930	Film History I
ARTH793	ARTH7931	Film History II

PENN_ID	TERM	COURSE_ID	SECTION_ID	Title
91827364	200810	ARTH793	001	Film History
86756453	201130	ARTH793	001	Film History
12345678	202130	ARTH7930	001	Film History I
87654321	202130	ARTH7930	001	Film History I
24354657	202130	ARTH7930	001	Film History I
12345678	202210	ARTH7931	001	Film History II
56789012	202210	ARTH7931	001	Film History II

* the Business Objects universe will do this join for you

Course re-numbering: points to remember

- All courses are getting renumbered
- Some courses will be splitting into more than one new number
- The Data Warehouse will have a re-numbering cross-walk table
- Students enrollment and academic history will be mixed:
  - pre-Banner: OLD numbers
  - post-Banner: NEW numbers

Term effective and term-by-term

- In Banner, the pre-202120 (Summer 2021) student data will be converted and stored term-by-term. Going forward, student data will be term-effective.

- In the Data Warehouse, we will always be able to look at student data term-by-term.

… just something to keep in mind, if you are comparing warehouse report results with online views in the source.

Instructor/advisor data moving to Workday as of July 1, 2019

- Data are being mapped from the new Workday source to the existing EMPLOYEE and EMPLOYEE_GENERAL views

- Your warehouse queries that use EMPLOYEE_GENERAL data should not need to be changed at this time.

Avoid using stale data!

➢ If you include biographic/demographic data in anything that will be used for communications to or about students, please always refresh your data first.

➢ Do not assume things like the person's name, gender or gender-specific titles that you stored to your local database last month are still valid.

Wrap Up

❑ Questions on topics presented today?

❑ Other topics / Suggestions for future meetings?