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Banner 9 Student Self-Service Configuration Methods

Elizabeth McCarter, Assist. Dir, Enterprise Syst Coordination
John Tanner, Enterprise Application Administration Specialist
University of Illinois System

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Introduction

Using Ellucian delivered methods we will walk you through how to tailor the Banner 9 Student self-service applications for your institution.

- Web Tailor options
- Configuration Files
- Cascading Style Sheet (CSS Files)
- Banner 9 Administrative Forms
 - Faculty/Advisor Process Rules (SOAFACS)
 - Information Text Editor (GUAINFO)
 - Overall Page and Field Configuration (SOAWSCR)

Introduction

	Field Labels	Text	Overall Display Items	Other
Faculty Grade Entry	Config Files	Web Tailor	CSS File	SOAFACS
Student Advising Profile	Config Files	GUAINFO	CSS File	
Registration	SOAWSCR, Config Files	GUAINFO	CSS File	SOAWDSP

Agenda

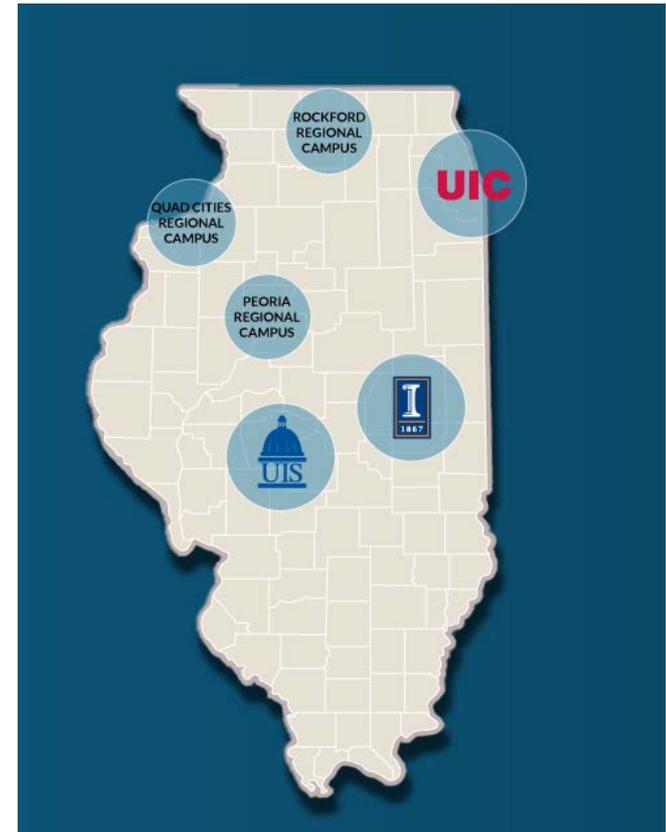
- 1 University of Illinois Overview
- 2 Security Configuration
- 3 Banner 9 Faculty Grade Entry Configuration
- 4 Banner 9 Student Advising Profile Configuration
- 5 Banner 9 Registration Configuration

University of Illinois System Overview



University of Illinois System

- **Three universities (Urbana-Champaign, Chicago, Springfield) www.uillinois.edu**
 - Urbana-Champaign
 - 46K Students, 11K Employees
 - Chicago
 - 29K Students, 10K Employees
 - Springfield
 - 5K Students, 2K Employees
 - Three regional campuses located in Rockford, Quad Cities, and Peoria.



AITS (Administrative Information Technology Services)

Administrative Information Technology Services (AITS) delivers enterprise-wide information technology solutions and services in support of the administrative processes of the University of Illinois.

Some of the main responsibilities of AITS include:

- Selection, implementation, and maintenance support for the packaged and self-developed applications at the University of Illinois
- Creating and maintaining internal and external interfaces for University enterprise applications
- Data management for University enterprise applications
- Data center services, including disaster recovery, for hosted University applications. Includes two data centers, over 500 servers, 200 TB of data
- 24/7 Service Desk and Operations support for University enterprise applications

University of Illinois Banner Environment

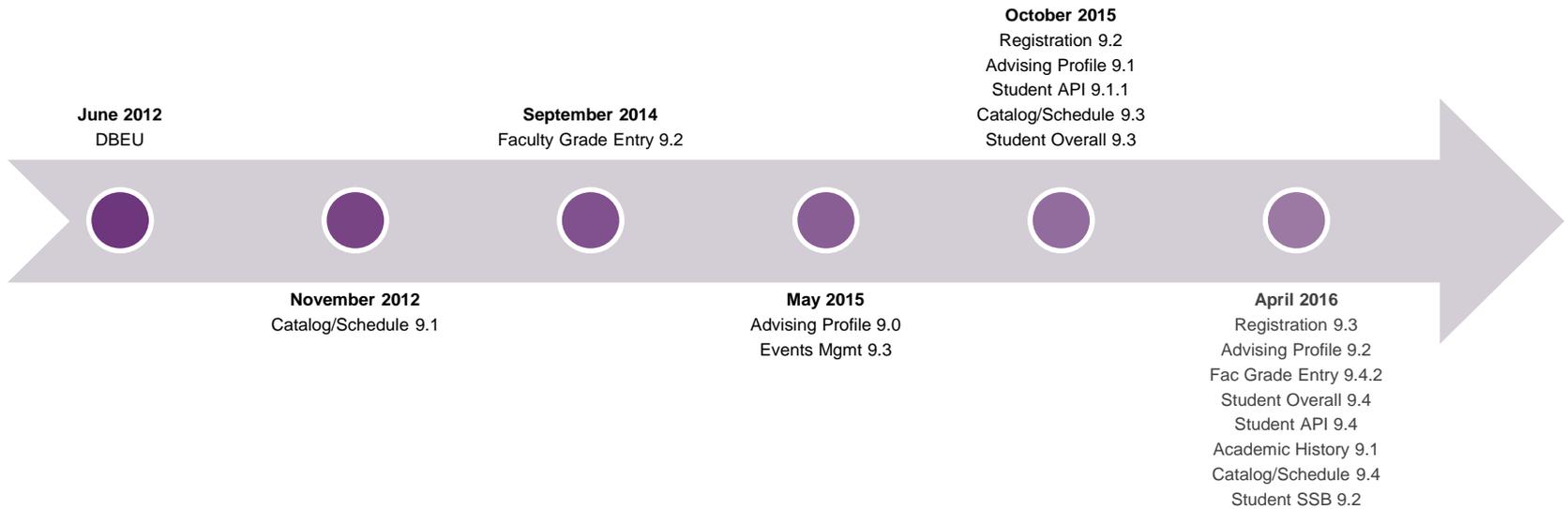
- **Live with Banner since 2001**
- **Production Banner database 1.9 TB**
- **6.1 million SPRIDEN records**
- **Licensed for all modules except Alumni**
- **Multi-Campus VPD/MEP for Financial Aid, Academic History, Web Tailor, Course Catalog and Schedule**
- **FGAC used throughout Student and HR to segregate data by campus, college, department, etc..**

Banner 9 Architecture

Banner 9 Environment

- **Four Red Hat Enterprise 6.7 Linux Servers**
 - Duplicate Hardware setup in Development, QA, and Production
 - 64 GB RAM
 - 16 CPU's
- **WebLogic Server 10.3.6.0.161018**
- **Oracle HTTP Server 11.1.1.9.0 (2 OHS instances per server)**
- **Server Iron Hardware Load Balancer**

Banner 9 Timeline



Security Configuration



Security Configuration

- **We use security configuration to control how information displays to our students, faculty and advisors**
 - Fine-Grained Access Control (FGAC)
 - Multi-Entity Processing (MEP)

Fine Grain Access Control Security

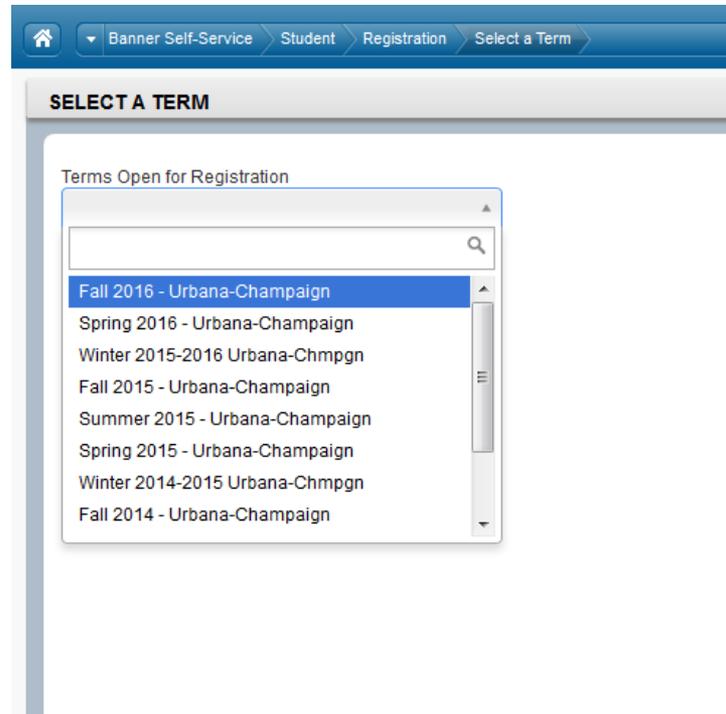
Fine-Grained Access Control (FGAC) is an Oracle feature that can be used to provide row-level security for Oracle tables. Banner® offers two optional data security features that take advantage of the capabilities of Oracle FGAC. These features are:

- Value-Based Security (VBS)
- Security for Personally Identifiable Information (PII)

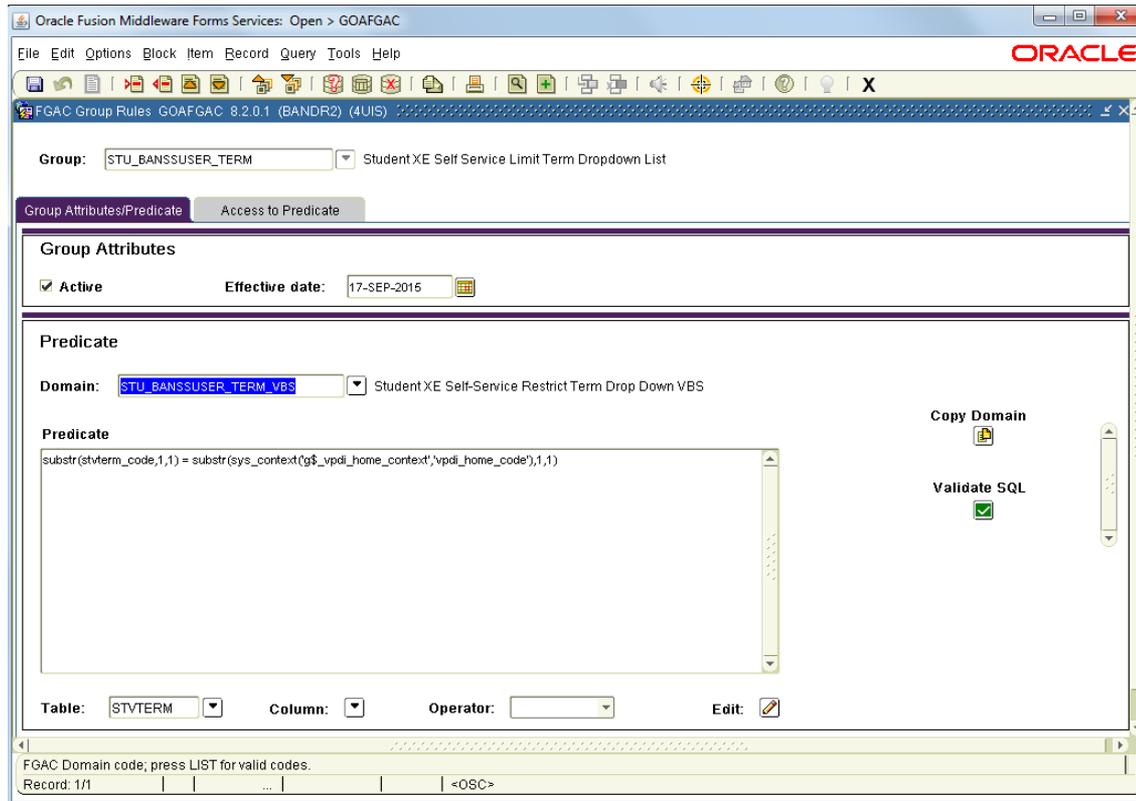
More detailed information in Banner General Data Security Handbook

Banner 9 and Fine Grain Access Control

- We used FGAC to limit term drop down lists in our Banner 9 Self-Service applications



Banner 9 and Fine Grain Access Control



Banner 9 and Fine Grain Access Control

The screenshot displays the Oracle Fusion Middleware Forms Services interface for configuring Fine Grain Access Control (FGAC) rules. The window title is "Oracle Fusion Middleware Forms Services: Open > GOAFGAC". The breadcrumb trail is "FGAC Group Rules: GOAFGAC: 8.2.0.1 (BANDR2) (4UIS)".

The main configuration area is titled "Group: STU_BANSSUSER_TERM" and "Student XE Self Service Limit Term Dropdown List". Below this, there are two tabs: "Group Attributes/Predicate" and "Access to Predicate". The "Access to Predicate" tab is active.

The "Business Profile Access to Predicate" section contains a table with columns for "Profile", "Description", and four action checkboxes: "Select", "Insert", "Update", and "Delete". The table is currently empty.

The "User Access to Predicate" section contains a table with columns for "User", "Select", "Insert", "Update", and "Delete". The "User" column has a dropdown menu with "BAN_SS_USER" selected. The "Select", "Insert", "Update", and "Delete" checkboxes are all checked for the selected user.

At the bottom of the window, there is a status bar with the text "Business profile code, press LIST for valid codes." and "Record: 1/1".

Multi-Entity Processing

- **Multi-Entity Processing (MEP) allows multiple campuses or locations to share one single database to create a fully integrated multi-entity solution.**
- **In Banner, to implement MEP, the database is partitioned for the various campuses. On every table in BANNER is a security column (<table_name>_VPDI_CODE) in which the various campuses' IDs can be entered, based on your Institution's security demands.**

More detailed information in [Multi-Entity Processing Implementation Guide](#)

Banner 9 and Multi-Entity Processing

- **All of our Banner 9 applications are MEP enabled**
- **We have separate URLs for each MEP code Self-Service application**
- **We choose a MEP code when logging into Banner 9 Admin Pages**
- **We have MEP enabled the Web Tailor tables, GURINFO, SORWSDP and SORWSCR**

Banner 9 and Multi-Entity Processing

Multi-Entity Processing

Select the MEP data you want to view

MEP Code	Description	Default
1UIUC	Univ of Il at Urbana-Champaign	<input checked="" type="checkbox"/>
2UIC	Univ of Il at Chicago	<input type="checkbox"/>
4UIS	Univ of Il at Springfield	<input type="checkbox"/>

Cancel Ok

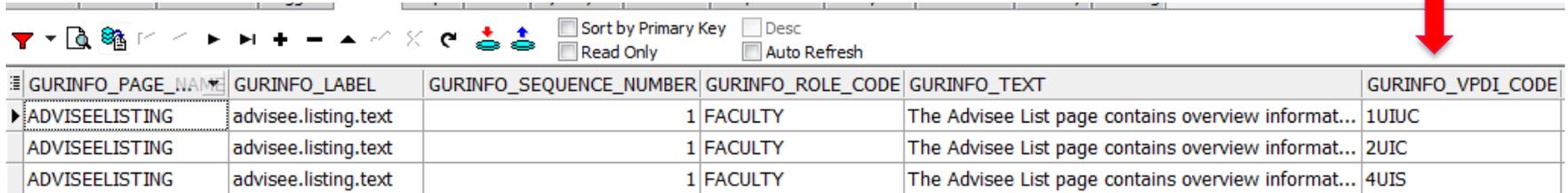


Banner 9 and Multi-Entity Processing

The screenshot shows a web browser window displaying the Banner 9 registration page. The address bar contains the URL `https://[redacted]/ssb/registration?mepCode=1UIUC`, with a red arrow pointing to the `mepCode=1UIUC` parameter. The browser's address bar also shows the text "Univ of Il at Urbana-Champaign" and "Notifications". The page content is titled "REGISTRATION" and features a section "What would you like to do?" with four main options:

- Prepare for Registration**: View registration status, update student term data, and complete pre-registration requirements.
- Register for Classes**: Search and register for your classes. You can also view and manage your schedule.
- Browse Classes**: Looking for classes? In this section you can browse classes that meet your degree requirements.
- View Registration Information**: View your past schedules and your ungraded classes.

Banner 9 and Multi-Entity Processing



The screenshot shows a data table interface with a toolbar at the top. The toolbar includes icons for search, refresh, and other actions, along with checkboxes for 'Sort by Primary Key', 'Read Only', 'Desc', and 'Auto Refresh'. The table below has six columns: GURINFO_PAGE_NAME, GURINFO_LABEL, GURINFO_SEQUENCE_NUMBER, GURINFO_ROLE_CODE, GURINFO_TEXT, and GURINFO_VPDI_CODE. A red arrow points to the GURINFO_VPDI_CODE column.

GURINFO_PAGE_NAME	GURINFO_LABEL	GURINFO_SEQUENCE_NUMBER	GURINFO_ROLE_CODE	GURINFO_TEXT	GURINFO_VPDI_CODE
ADVISEELISTING	advisee.listing.text	1	FACULTY	The Advisee List page contains overview informat...	1UIUC
ADVISEELISTING	advisee.listing.text	1	FACULTY	The Advisee List page contains overview informat...	2UIC
ADVISEELISTING	advisee.listing.text	1	FACULTY	The Advisee List page contains overview informat...	4UIS

Security Configurations Summary

- **Using existing Banner Security methods, you can customize the display of Banner 9 applications**
 - FGAC
 - MEP

Banner 9 Faculty Grade Entry Configuration



Banner 9 Faculty Grade Entry Configuration

- **Implemented 9.2 version in September 2014**
- **Implemented 9.4.2 version in April 2016**
- **Configuration Items**
 - Faculty/Advisor Process Rules (SOAFACS)
 - Web Tailor
 - Configuration Files
 - CSS Files

Banner 9 FGE: SOAFACS

- Faculty/Advisor Process Rules form (SOAFACS)
- DISPLAYPROFILE controls whether a faculty member can access a student's profile page

Process	Faculty or Advisor	Process Available on Self-Service	All Access	PIN Control	Relationship	Primary	Attribute Type Checking	System Required
<input type="text" value="DISPLAYPROFILE"/> Display Student Profile	<input type="text" value="Faculty"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
User ID: <input type="text" value="BANINST1"/>	Activity Date: <input type="text" value="01-DEC-2015"/>							

Banner 9 FGE: Web Tailor

•The Info Text is contained in three labels for the Web Tailor procedure **FGE9**:

- GettingStartedTitle
- GettingStartedBody
- GettingStartedFooter

•The Info text utilizes **Markdown Language**.

Title → Welcome to the new Faculty Grade Entry!

Body → This page is where you enter midterm and final grades for students in the courses to which you are assigned and open for grade entry. More information about specific grade codes can be found on [Explanation of Grades](#).

Tips/Tricks for the new Faculty Grade Entry

- Ensure you are on the correct tab for Midterm or Final Grade entry.
- Select each section/CRN for which you intend to enter grades. The roster of students will appear at the bottom of the page and you can change the number of students displayed per page. NOTE: You may need to use the scrollbar to see all students.
- To enter grades, select a grade code from the pull-down list in the appropriate Grade column or use the Import Grades option located in the Tools menu (upper right hand corner).
- Use the Save button to submit the grades entered on the page.
- Monitor your grading progress by section/CRN shown in the Grading Status Column (left most column in the list of sections/CRNs).

Important Last Attend Date and Hours Attended Info

The Last Attend Date and Hours Attended fields are required for students to whom you assign a Final Grade of F or U. Failure to enter Last Attend Date for an F or U grade will prevent that grade from being saved. The Course Dates are found in the Course Details tab once a section/CRN has been selected. If a student has no history of attendance, enter the first day of the course in Last Attend Date and 0 (zero) in Hours Attended.

Student Confidentiality

If the Confidential message appears in the Student Details window, his/her personal information is to be kept confidential. For more information on student confidentiality, please contact the Office of the Registrar.

Footer → If you have questions, please contact the Office of the Registrar at record-info@illinois.edu.

Banner 9 FGE: Web Tailor

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Personal Information | Financial Aid | Faculty & Advisor Services | Employee | **WebTailor Administration** | Registration & Records | Account Billing Information | Graduation

Search SITE MAP | HELP | EXIT

Reorder or Customize Information Text

Select the associated label to update individual information text entry.

Information text for: **FGE9 (Infotext for Banner 9.0 Faculty Grade Entry)**

Copy #	Seq #	Label	Source	Information Text
1		GettingStartedBody	Baseline	###Use this page to enter grades for the students in your courses. * Only your courses which are open for grading are displayed. * Monitor your grading progress by section using the status indicator bars. * View your course and student details. * Sort your Course List or Roster by clicking on column headers. * Export and Import grades using the Tools Menu.
1		GettingStartedBody	Local	This page is where you enter midterm and final grades for students in the courses to which you are assigned and open for grade entry. More information about specific grade codes can be found on [Explanation of Grades] (http://registrar.illinois.edu/explanation-of-grades). ###Tips/Tricks for the new Faculty Grade Entry * Ensure you are on the correct tab for Midterm or Final Grade entry. * Select each section/CRN for which you intend to enter grades. The roster of students will appear at the bottom of the page and you can change the number of students displayed per page. NOTE: You may need to use the scrollbar to see all students. * To enter grades, select a grade code from the pull-down list in the appropriate Grade column or use the Import Grades option located in the Tools menu (upper right hand corner). * Use the Save button to submit the grades entered on the page. * Monitor your grading progress by section/CRN shown in the Grading Status Column (left most column in the list of sections/CRNs). ###important Last Attend Date and Hours Attended Info The Last Attend Date and Hours Attended fields are required for students to whom you assign a Final Grade of F or U. Failure to enter Last Attend Date for an F or U grade will prevent that grade from being saved. The Course Dates are found in the Course Details tab once a section/CRN has been selected. If a student has no history of attendance, enter the first day of the course in Last Attend Date and 0 (zero) in Hours Attended.
2		GettingStartedBody	Local	**Student Confidentiality** If the **Confidential** message appears in the Student Details window, his/her personal information is to be kept confidential. **For more information on student confidentiality, please contact the Office of the Registrar.**
1		GettingStartedFooter	Baseline	If you have questions, please Email the Registrar
1		GettingStartedFooter	Local	If you have questions, please contact the Office of the Registrar at record-info@illinois.edu .
1		GettingStartedTitle	Baseline	Welcome to Banner 9.0 Student Faculty Grade Entry
1		GettingStartedTitle	Local	Welcome to the new Faculty Grade Entry!

Select another set of Information Text to customize

Markdown Language

- **Markdown is a text-to-HTML conversion tool for web writers. Markdown allows you to write using an easy-to-read, easy-to-write plain text format, then convert it to structurally valid HTML.**
Source: <https://daringfireball.net/>

Emphasis

Here are examples of using italics and bold for emphasis.

Markdown Input

Output

Italic (em tag)

I am **emphasized**

I am *emphasized*

I am _emphasized_

I am *emphasized*

Bold (strong tag)

I am ****bold****

I am **bold**

I am __bold__

I am **bold**

Markdown Language

- **All Banner 9 Self-Service applications use Markdown language**
- **Ellucian release guides and handbooks provide Markdown commands and syntax**
- **A Markdown limitation is the inability to open a hyperlink in a new window or tab**

XE FGE: Configuration Files

- **There are 2 Configuration Files**
 - StudentFacultyGradeEntry_configuration.groovy
 - Located - StudentFacultyGradeEntry/current/instance/config
 - messages.properties
 - Located - StudentFacultyGradeEntry/current/i18n
- **These Configuration Files control field displays, certain section displays and messages**

Banner 9 FGE: Configuration Files

```
messaging.properties - Notepad
File Edit Format View Help
gradeEntry.breadcrumb.faculty=Faculty And Advisors
gradeEntry.breadcrumb.gradeEntry=Grade Entry
gradeEntry.breadcrumb.studentAcademicReview=Student Academic Review

# Course Detail #
courseDetail.courseSection=Select a Course
courseDetail.midtermGrade=Midterm Grades
courseDetail.finalGrade=Final Grades
courseDetail.gradebook=Gradebook

courseDetail.header.status=Grading Status
courseDetail.header.rolled=Rolled
courseDetail.header.subject=Subject
courseDetail.header.course=Course
courseDetail.header.section=Section
courseDetail.header.title=Title
courseDetail.header.term=Term
courseDetail.header.crn=CRN
courseDetail.grid.noSectionsFound=No sections are available for grading at this time.

# Course Roster View #
courseRosterView.gradesSection.Roster=Roster
courseRosterView.gradesSection.IncompleteGrades=Incomplete Grades
courseRosterView.grid.header.FullName=Full Name
courseRosterView.grid.header.Id=ID
courseRosterView.grid.header.Grade=Grade
courseRosterView.grid.header.MidtermGrade=Midterm Grade
courseRosterView.grid.header.FinalGrade=Final Grade
courseRosterView.grid.header.IncompleteFinalGrades=Incomplete Final Grade
courseRosterView.grid.header.ExtensionDate=Extension Date
courseRosterView.grid.header.ExtensionDateConstraints=Extension Date Constraints
courseRosterView.grid.header.GradesSection=Enter Grades
courseRosterView.grid.header.GradesSection.readOnly=Enter Grades (Read Only)
courseRosterView.grid.header.Rolled=Rolled
courseRosterView.grid.header.LastAttendDate=Last Attend Date
courseRosterView.grid.header.AttendedHours=Hours Attended
```

```
StudentFacultyGradeEntry_configuration.example - Notepad
File Edit Format View Help

/*****
Image Path
*****/

banner {
    picturesPath = System.getProperty('base.dir') + '/test/images'
}

/* Access the student profile page through clicking on student name hyperlink or
contact card view profile button click */

//To ensure that the Banner Student Faculty Grade Entry module can communicate with
the Banner Student Student Profile module,
// modify the bannerXE.url.mapper.studentProfile parameter to point to the full path
to the Banner Student Student Profile module
//bannerXE.url.mapper.studentProfile =
'http://<server>:<port>/<StudentSSB_root>/ssb/studentProfile'

all.studentcard.cardEnabled.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.cardEnabled.roles= ['faculty', 'facultyoverride']
all.studentcard.name.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.name.roles= ['faculty', 'facultyoverride']
all.studentcard.photo.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.photo.roles= ['faculty', 'facultyoverride']
all.studentcard.major.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.major.roles= ['faculty', 'facultyoverride']
all.studentcard.program.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.program.roles= ['faculty', 'facultyoverride']
#all.studentcard.address.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.address.roles= ['faculty', 'facultyoverride']
#all.studentcard.telephone.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.telephone.roles= ['faculty', 'facultyoverride']

all.studentcard.email.view= ['gradeEntry', 'studentAcademicReview']
all.studentcard.email.roles= ['faculty', 'facultyoverride']
```

Banner 9 FGE: Configuration Files

- **There are two ways to deploy the updated files**
 - Edit directly on the XE Application server
 - Upload the modified files to the XE Applications deployment directories.
- **The standard XE build process is followed to create the new deployment**
 - installer/ant
 - installer/bin/systool war

Banner 9 FGE: CSS Files

- **We brand each application per campus (mepCode in the URL)**
- **Two files are required for branding/hiding of elements**
 - bannerSelfService-custom.css
Located StudentFacultyGradeEntry/current/instance/css
 - bannerSelfService-custom.js
Located StudentFacultyGradeEntry/current/instance/js
- **Modification and deployment are the same as configuration files.**

Banner 9 FGE: CSS Files – Campus Branding

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Banner Self-Service

Faculty And Advisors

Grade Entry

Select a Course

Midterm Grades

Final Grades

Gradebook

Grading Status

Rolled

Subject

Course

Section

Animal Sciences (ANSC)

525

A

Business Administration (BADM)

543

GRD

Banner 9 FGE: CSS Files – Campus Branding

- **Sample CSS**

```
.mepCode-1CAMPUS .institutionalBranding {  
    background: url("../images/campusheadersmall.png") no-repeat;  
}
```

```
#homeButton {  
    display: none;  
}
```

```
#browseButton {  
    display: none;  
}
```

```
#breadcrumb {  
    display: none;  
}
```

Banner 9 FGE: CSS Files – Campus Branding



Select a Course

Midterm Grades

Final Grades

Grading Status ⌵

Rolled ⌵

Subject ⌵

Course ⌵

Section ⌵

Animal Sciences (ANSC)

525

A

Business Administration (BADM)

543

GRD

Banner 9 FGE: CSS Files – Hiding Elements

- **Hiding portions of XE Applications are possible via CSS or extensibility.**
- **Find elements via a browsers Web Developer tools.**
- **Changes are made in the same CSS files used for branding and deployment is the same process.**

Banner 9 FGE: CSS Files – Hiding Elements

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Banner Self-Service > Faculty And Advisors > Grade Entry

Select a Course

Midterm Grades | Final Grades | **Gradebook**

Grading Status	Subject	Course	Section	Title	Term	CRN
<input type="checkbox"/>	Geography (GEOG)	101	AYE	Global Development&Environment	Spring 2016 - Urbana-Champaign (120161)	33251
<input type="checkbox"/>	Statistics (STAT)	200	F58	Statistical Analysis	Spring 2016 - Urbana-Champaign (120161)	48327
<input type="checkbox"/>	Molecular and Cell Biology (MCB)	298	B	MCB Honors Lab Discussion	Spring 2016 - Urbana-Champaign (120161)	63532

Page 1 of 1 | 5 Per Page Records: 3

Enter Grades

Search By Full Name or ID

Full Name	ID	Midterm Grade	Last Attend Date	Hours Attended
		<input type="text"/>	02/16/2016	<input type="text"/>
		<input type="text"/>		<input type="text"/>
		<input type="text"/>		<input type="text"/>
		<input type="text"/>		<input type="text"/>
		<input type="text"/>		<input type="text"/>

Page 1 of 1 | 25 Per Page Records: 5

Banner 9 FGE: CSS Files – Hiding Elements

Examples

```
#midtermGradeCourseRoster td:nth-child(5) {  
    display: none;  
}
```

```
#midtermGradeCourseRoster th.last-attendance-col.ui-state-default {  
    display: none;  
}
```

```
#midtermGradeCourseRoster th.attendance-hour-col.ui-state-default {  
    display: none;  
}
```

Banner 9 FGE: CSS Files – Hiding Elements



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Select a Course

Midterm Grades Final Grades

Grading Status	Subject	Course	Section	Title	Term	CRN
	Geography (GEOG)	101	AYE	Global Development&Environment	Spring 2016 - Urbana-Champaign (120161)	33251
	Statistics (STAT)	200	F58	Statistical Analysis	Spring 2016 - Urbana-Champaign (120161)	48327
	Molecular and Cell Biology (MCB)	298	B	MCB Honors Lab Discussion	Spring 2016 - Urbana-Champaign (120161)	63532

Page 1 of 1 | 5 Per Page Records: 3

Enter Grades

Search By Full Name or ID

Full Name	ID	Midterm Grade
		<input type="text"/>

Page 1 of 1 | 25 Per Page Records: 5

Reset Save

FGE Configuration Summary

- **Configuration Items**
 - Faculty/Advisor Process Rules (SOAFACS)
 - Web Tailor
 - Configuration Files
 - CSS Files

Banner 9 Student Advising Profile Configuration



Configuration/Security Methods

- **Implemented 9.0 version in May 2015**
- **Implemented 9.1 version in October 2015**
- **Implemented 9.2 version in April 2016**
- **Configuration Items**
 - Information Text Editor (GUAINFO)
 - Configuration Files
 - CSS Files

Information Text Editor (GUAINFO)

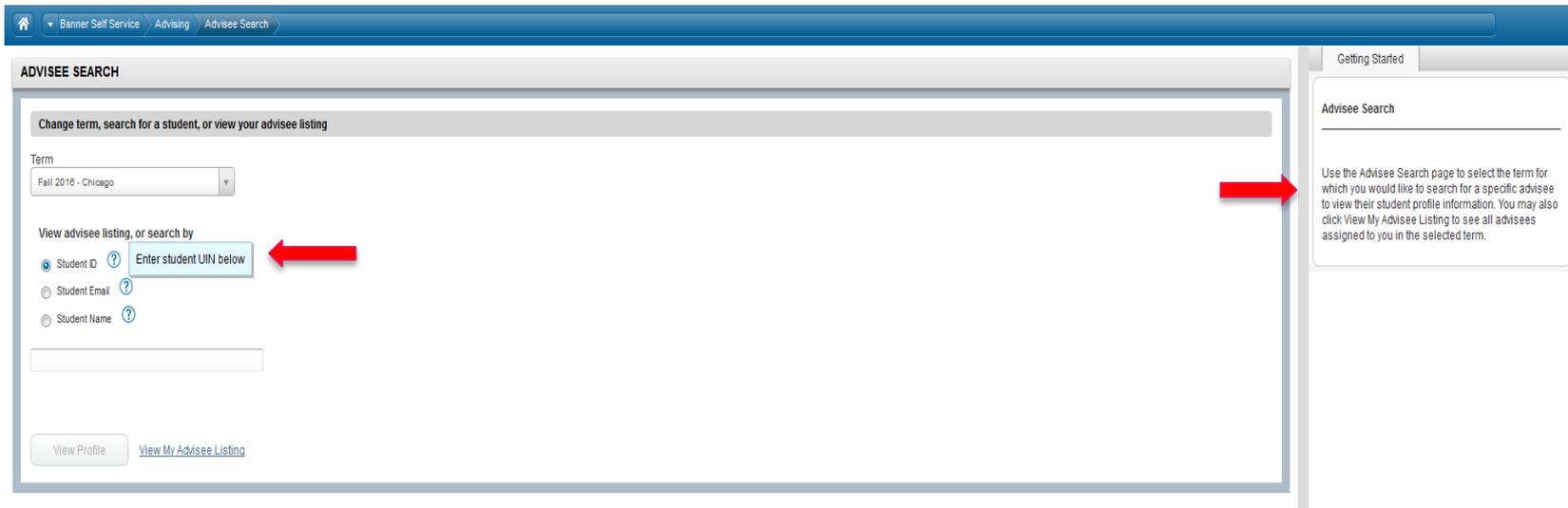
- **The text utilizes Markdown Language**
- **Each message is categorized under one of the following message types:**
 - N – Notifications, T - Tool tip, P – Panel
- **Display can be restricted based on the target audience or persona**
- **Each entry has a start and end date**
- **Entries delivered as Source Indicator = Baseline. To customize, copy the baseline record and update the Source Indicator value to Local**

Banner 9 SAP: GUAINFO

- **Configurable items for XE SAP are where Page Name is:**
 - ADVISEELISTING
 - ADVISEESEARCH
 - STUDENTPROFILE

- **Our GUAINFO is VPD/MEP**

Banner 9 SAP: GUAINFO



Banner Self Service > Advising > Advisee Search

ADVISEE SEARCH

Change term, search for a student, or view your advisee listing

Term
Fall 2016 - Chicago

View advisee listing, or search by

- Student ID ? Enter student UIN below
- Student Email ?
- Student Name ?

[View My Advisee Listing](#)

Getting Started

Advisee Search

Use the Advisee Search page to select the term for which you would like to search for a specific advisee to view their student profile information. You may also click View My Advisee Listing to see all advisees assigned to you in the selected term.

Banner 9 SAP: GUAINFO



Banner > *GENERAL > *GENWEB > Information Text Editor (GUAINFO) Go To... Tools

NOTIFICATION CENTER: 0 Refresh Print Close

INFORMATIONAL MESSAGES Insert Delete Copy Filter Filter Again

Page Name	Message Label	Source Indicator	Audience	Locale	Sequence Number	Text Type	Message	Start Date	End Date	Comment
ADVISEESEARCH	advisee.search.head	Baseline	FACULTY Faculty	fr_CA	1	Panel	Recherche de			texte du titre pour la
ADVISEESEARCH	advisee.search.head	Baseline	FACULTY Faculty	pt	1	Panel	Pesquisar			Texto do título
ADVISEESEARCH	advisee.search.head	Local	FACULTY Faculty	en_US	1	Panel	Advisee	04/01/2015		title text for advisee
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	ar	1	Panel	◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆			◆◆◆◆
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	en_AU	1	Panel	Use the Advisee Search			descriptive help text
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	en_GB	1	Panel	Use the Advisee Search			descriptive help text
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	en_IE	1	Panel	Use the Advisee Search			descriptive help text
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	en_IN	1	Panel	Use the Advisee Search			descriptive help text
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	en_US	1	Panel	Use the Advisee Search page to select the term for which you would like to search for a specific advisee to view their student profile information. You may also click View My Advisee Listing to see all advisees assigned to you in the selected term.			descriptive help text
ADVISEESEARCH	advisee.search.text	Baseline	FACULTY Faculty	es	1	Panel				texto de ayuda

Insert 4 of 5 Per Page 10 Records:44

Banner 9 SAP: Configuration Files

•Control items by role and by MEP code

- Advisor
- AdvisorOverride
- FacultyAdvisor
- Student
- Faculty
- FacultyOverride

XE SAP: Configuration Files

- **Configuration Files**

- bannerStudentAdvisorUI_configuration.properties

Located in the shared_configuration directory

- messages.properties

Located StudentAdvisorSSB/current/i18n

- StudentAdvisorSSB_configuration.groovy

Located StudentAdvisorSSB/current/instance/config

Banner 9 SAP: Configuration Files

- **Modify i18n/messages.properties**

- Student Advising Profile wording change

student.advisor.column.name.student.study.level=Study Level

to

student.advisor.column.name.student.study.level=Student Level

- Student Advising Profile hiding available field

#student.advisor.search.enter.radio.name=Enter student name below.

Banner 9 SAP: Configuration Files

```
messages properties.StudentAdvisor - Notepad
File Edit Format View Help
student.advisor.studentDetails.notes=Advisor Notes

# Roster View Grid Column Names
student.advisor.column.name.student.name = Name and ID
student.advisor.column.name.student.status = Student Status
student.advisor.column.name.student.type = Student Type
student.advisor.column.name.advisor.primary = Primary Advisor
student.advisor.column.name.advisor.type = Advisor Type
student.advisor.column.name.student.program = Program
student.advisor.column.name.student.primary.major=Primary Major
student.advisor.column.name.student.class=Class
student.advisor.column.name.student.registered=Registered for Term
student.advisor.column.name.student.standing=Academic Standing
student.advisor.column.name.student.campus=Campus
student.advisor.column.name.student.study.level=Student Level
#student.advisor.column.name.student.study.level=Study Level
student.advisor.column.name.student.admit.type=Admit Type
student.advisor.column.name.student.admit.term=Admit Term
student.advisor.column.name.student.catalog.term=Catalog Term
student.advisor.column.name.student.gpa=GPA
student.advisor.column.name.student.minor=Minor
student.advisor.column.name.student.concentration=Concentration
student.advisor.column.name.student.college=College
```

```
bannerStudentAdvisorUI_configuration (003).properties - Notepad
File Edit Format View Help
#
#To disable the display of an individual element, please place a # at the start of that
individual element's .view line to comment it out.
#
#
all.registeredcourses.maxHours.view=Profile
all.registeredcourses.maxHours.roles=Advisor, AdvisorOverride, FacultyAdvisor, Student
#all.registeredcourses.minHours.view=Profile
#all.registeredcourses.minHours.roles=Advisor, AdvisorOverride, FacultyAdvisor, Student
```

Banner 9 SAP: Configuration Files

Banner Self Service > Advising > Advisee Search > Advisee Listing

ADVISEE LISTING TERM: Spring 2016 - Urbana-Champaign Email All Filter

Name and ID	Student Type	Student Status	Program	Campus	Student Level	Admit Type	Admit Term
 [Redacted] View Profile	Continuing	Expected Grad Term ...	PHD:Library & Infor Sci -UI...	Urbana-Champaign	Graduate - Urban...	Readmit	Fall 2014 - Ur
 [Redacted] View Profile	Continuing	Active	NONE:BUS Cur Unassign...	Urbana-Champaign	Undergrad - Urba...	Priority Admission	Fall 2015 - Ur

Page 1 of 1 | 10 Per Page | Records: 2

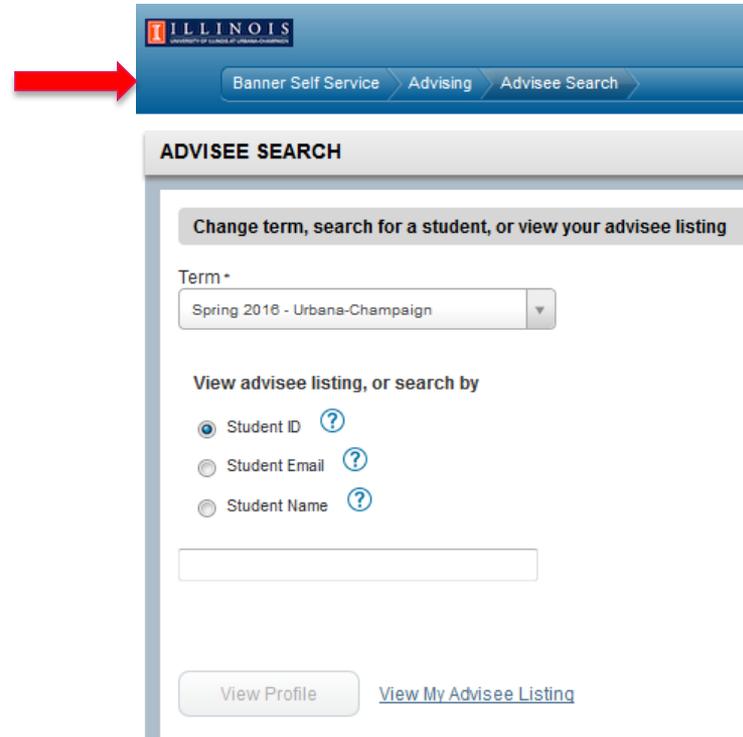
REGISTERED COURSES

Course Title	Details	CRN	Hours	Registration Status	Instructor
Thesis Research	INFO 599 VT	63975	0	**Web Registered**	Torvik, Vette

Total Hours | Registered Hours: 0 | Billing Hours: 0.01 | CEU Hours: 0 | Max Hours: 20

Banner 9 SAP: CSS Files

- We did campus branding
- We hid Menu and Home button
- We hid items/links on the left-hand side



The screenshot displays the Banner 9 SAP interface. At the top, there is a blue navigation bar with the University of Illinois logo and three links: 'Banner Self Service', 'Advising', and 'Advisee Search'. A red arrow points to the 'Banner Self Service' link. Below the navigation bar is a grey header for the 'ADVISEE SEARCH' section. The main content area has a grey bar with the text 'Change term, search for a student, or view your advisee listing'. Below this is a 'Term' dropdown menu currently set to 'Spring 2016 - Urbana-Champaign'. Underneath is a section titled 'View advisee listing, or search by' with three radio button options: 'Student ID', 'Student Email', and 'Student Name', each with a help icon. A search input field is located below these options. At the bottom of the form are two buttons: 'View Profile' and 'View My Advisee Listing'.

Banner 9 SAP Configuration Summary

- **Configuration Items**
 - Information Text Editor (GUAINFO)
 - Configuration Files
 - CSS Files

Banner 9 Registration Configuration



Configuration Methods

- **Implemented 9.2 version in October 2015**
- **Implemented 9.3.0.2 version in April 2016**
- **Configuration Items**
 - Information Text Editor (GUAINFO)
 - Overall Page and Field Configuration (SOAWSCR)
 - Web Display List Customization (SOAWDSP)
 - Configuration Files
 - CSS Files

Banner 9 Registration: GUAINFO

- Only 1 item to configure for Registration XE

NOTIFICATION CENTER: 0

INFORMATIONAL MESSAGES

+ Insert - Delete Copy Filter

Filter Again

Page Name *	Message Label *	Source Indicator *	Audience *	Locale *	Sequence Number *	Text Type *	Message	Start Date	End Date	Comment
REGISTRATION	registration_search.info.t	Baseline	STUDENT Student	en_US	1	Tooltip	Find classes by			This text will display in

+ Insert

<< 1 of 1 >> Per Page: 50

Records:1

Banner 9 Registration: SOAWSCR

- **Configure items by persona, page and term**
- **Item configuration:**
 - Define if an item is required
 - Define if an item is displayed
 - Define display order of the fields on the page
 - Customize display text for the field labels
- **Copy by persona and by term**

Banner 9 Registration: SOAWSCR

- **Our SOAWSCR is VPD/MEP**
- **Copy functionality is handy**
- **We initially loaded this table into production via script**
- **The configuration allowed is similar to the configuration files but SOAWSCR provides a GUI interface**
- **Does not contain every single field displayed on a page**

Banner 9 Registration: SOAWSCR



Banner > *STUDENT > *REGISTRATION > *SRCHCONF > Overall Page And Field Configuration (SOAWSCR) Go To... Tools

NOTIFICATION CENTER: 0 Refresh Print Filter Close

Persona: STUDENT Student Page: 20 Class Search Advanced Effective Term: 000000 The Beginning of Time End Term: 999999 Start Over

OVERALL PAGE AND FIELD CONFIGURATION Insert Delete Copy Filter

Display Number [▲]	Field *	Displayed	Baseline Display Text	Custom Display Text	Required	System Required
6	KEYWORDLIKE Keyword (Partial Words)	<input type="checkbox"/>	Keyword		<input type="checkbox"/>	<input checked="" type="checkbox"/>
7	ATTRIBUTE Attributes	<input checked="" type="checkbox"/>	Attribute		<input type="checkbox"/>	<input checked="" type="checkbox"/>
16	PARTOFTERM Part Of Term	<input checked="" type="checkbox"/>	Part Of Term		<input type="checkbox"/>	<input checked="" type="checkbox"/>
19	COURSENUMBERRANGE Course Number Range	<input checked="" type="checkbox"/>	Course Number Range		<input type="checkbox"/>	<input checked="" type="checkbox"/>
20	CREDITHOURRANGE Credit Hour Range	<input checked="" type="checkbox"/>	Credit Hour Range		<input type="checkbox"/>	<input checked="" type="checkbox"/>
21	MEETINGDAYS Meeting Days	<input checked="" type="checkbox"/>	Meeting Days		<input type="checkbox"/>	<input checked="" type="checkbox"/>
22	STARTTIME Start Time	<input checked="" type="checkbox"/>	Start Time		<input type="checkbox"/>	<input checked="" type="checkbox"/>
23	ENDTIME End Time	<input checked="" type="checkbox"/>	End Time		<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	OPENSECTIONS Open Sections Only	<input checked="" type="checkbox"/>	Open Sections Only		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	KEYWORDALL Keyword (With All Words)	<input type="checkbox"/>	Keyword (With All Words)		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	KEYWORDANY Keyword (With Any Words)	<input type="checkbox"/>	Keyword (With Any Words)		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	KEYWORDEXACT Keyword (Exact Phrase)	<input type="checkbox"/>	Keyword (Exact Phrase)		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	KEYWORDWITHOUT Keyword (Without The Word)	<input type="checkbox"/>	Keyword (Without The Word)		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	LEVEL Course Levels	<input type="checkbox"/>	Level		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	SCHEDULETYPE Schedule Types	<input type="checkbox"/>	Schedule Type		<input type="checkbox"/>	<input checked="" type="checkbox"/>
	SESSION Sessions	<input type="checkbox"/>	Sessions		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Banner 9 Registration: SOAWSCR

REGISTER FOR CLASSES

Find Classes | Enter CRNs | Schedule and Options

Enter Your Search Criteria ⓘ

Term: Spring 2016 - Urbana-Champaign

Subject

Course Number

Title

Attribute

Part Of Term

Course Number Range to

Credit Hour Range to hours

Meeting Days

Sunday

[Advanced Search](#)

Banner 9 Registration: SOAWDSP

Validation Table Name: STVPTRM Part-of-Term Validation Table

Start Over

WEB DISPLAY LIST CUSTOMIZATION

Insert Delete Copy Filter

Validation Table Values

Code	Description
C	Combined Sessions
COR	COAR Only Registration
D	Dentistry
EMB	Executive MBA
GCA	Global Campus A
GCB	Global Campus B
GCC	Global Campus C
L1	Law 1
L2	Law 2
LF	Law Full Term

Add >

Add All >>

< Remove

<< Remove All

<< 1 of 2 >> Per Page 10

Records:19

Web Display Values

Code	Description	Activity Date	User ID
1	Full Term	2004-03-04 00:00:00.0	JNWILLMS
A	First Half	2004-03-04 00:00:00.0	JNWILLMS
B	Second Half	2004-03-04 00:00:00.0	JNWILLMS
S1	Summer Session 1	2005-04-12 00:00:00.0	BROCHE
S2	Summer Session 2	2005-04-12 00:00:00.0	BROCHE
S2A	Summer Session 2 1st Half	2005-04-12 00:00:00.0	BROCHE
S2B	Summer Session 2 2nd Half	2005-04-12 00:00:00.0	BROCHE
XM	Extramural	2004-03-04 00:00:00.0	JNWILLMS

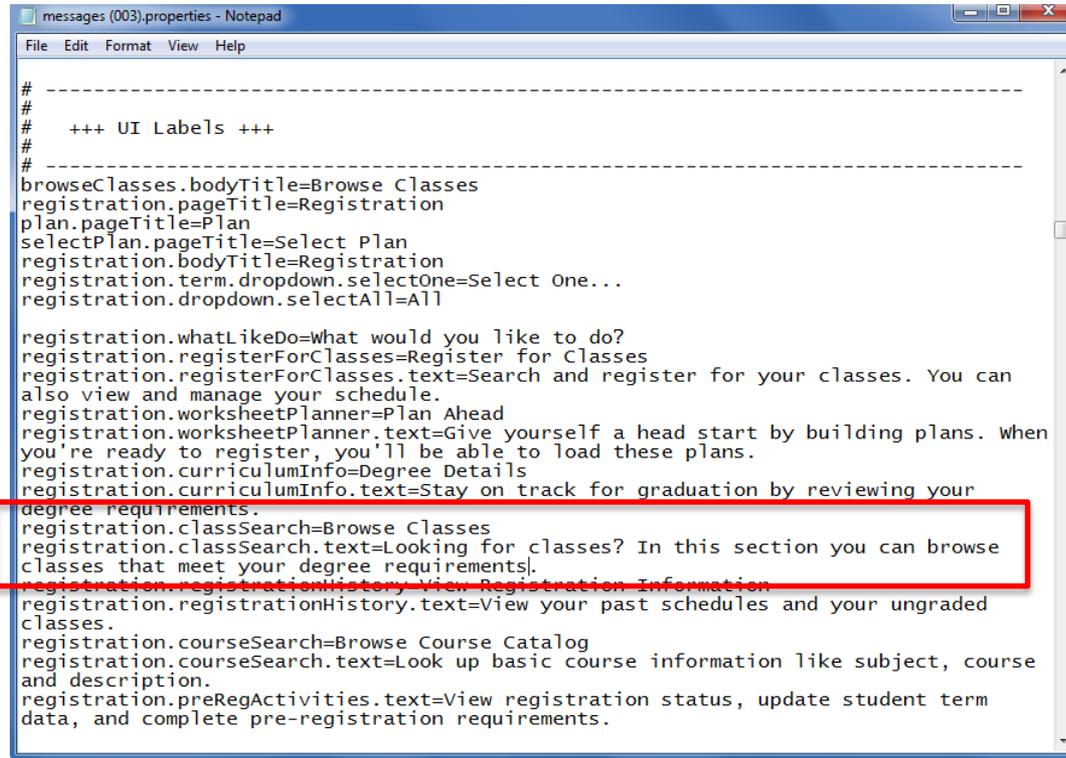
<< 1 of 1 >> Per Page 10

Records:8

Banner 9 Registration: Configuration Files

- We updated the text underneath the links on the Landing Page
- Can update other items that are not configurable in SOAWSCR
- Cannot hide fields

Banner 9 Registration: Configuration Files



```
messages (003),properties - Notepad
File Edit Format View Help
# -----
#
#   +++ UI Labels +++
#
# -----
browseClasses.bodyTitle=Browse Classes
registration.pageTitle=Registration
plan.pageTitle=Plan
selectPlan.pageTitle=Select Plan
registration.bodyTitle=Registration
registration.term.dropdown.selectOne=Select One...
registration.dropdown.selectAll=All

registration.whatLikeDo=What would you like to do?
registration.registerForClasses=Register for Classes
registration.registerForClasses.text=Search and register for your classes. You can
also view and manage your schedule.
registration.worksheetPlanner=Plan Ahead
registration.worksheetPlanner.text=Give yourself a head start by building plans. When
you're ready to register, you'll be able to load these plans.
registration.curriculumInfo=Degree Details
registration.curriculumInfo.text=Stay on track for graduation by reviewing your
degree requirements.
registration.classSearch=Browse Classes
registration.classSearch.text=Looking for classes? In this section you can browse
classes that meet your degree requirements.
registration.registrationHistory=View Registration Information
registration.registrationHistory.text=View your past schedules and your ungraded
classes.
registration.courseSearch=Browse Course Catalog
registration.courseSearch.text=Look up basic course information like subject, course
and description.
registration.preRegActivities.text=View registration status, update student term
data, and complete pre-registration requirements.
```

Banner 9 Registration: Configuration Files

REGISTRATION

What would you like to do?



Prepare for Registration

View registration status, update student term data, and complete pre-registration requirements.



Register for Classes

Search and register for your classes. You can also view and manage your schedule.



Browse Classes

Looking for classes? In this section you can browse classes that meet your degree requirements.



View Registration Information

View your past schedules and your ungraded classes.



Banner 9 Registration: CSS Files

- We did campus branding
- We hid Menu

The screenshot displays the Banner 9 Registration system interface. At the top, there is a navigation bar with the Ellucian logo and user information. Below this is a section titled "REGISTER FOR CLASSES" with tabs for "Find Classes", "Enter CRNs", and "Schedule and Options". The "Find Classes" tab is active, showing a search form with fields for "Subject", "Course Number", and "Title". A "Search" button is located below the fields. Below the search form is a "Schedule" section with a "Schedule Details" tab. The "Schedule Details" tab shows a class schedule for "Spring 2016 - Ottawa Campus". The schedule is presented as a grid with columns for days of the week (Sunday through Saturday) and rows for time slots (8am, 9am, 10am, 11am, 12pm, 1pm, 2pm, 3pm, 4pm). The grid contains several colored blocks representing classes. To the right of the grid is a "Summary" table with columns for "Title", "Details", "Hours", "CRN", "Schedule Type", "Status", and "Action". The summary table lists several classes with their respective details and status.

Title	Details	Hours	CRN	Schedule Type	Status	Action
Appl. Multivariate Statistics	CPSC 543 AL	0	11869	Lecture	Registered	None
Appl. Multivariate Statistics	CPSC 543 AH	4	11873	Lecture	Registered	None
Discrepancy	GGG 48E A	3	5244	Lecture-Disc.	Registered	None
Discussions in First Block	IB11.FSH	1	3480	Conference	Registered	None
Individual Topics	IB90.FSH	4	2150	Independent	Registered	None
Topics in Block A & Seminar	IB54E A	1	3480	Conference	Registered	None

Banner 9 Registration: Configuration Summary

- **Configuration Items**
 - Information Text Editor (GUAINFO)
 - Overall Page and Field Configuration (SOAWSCR)
 - Web Display List Customization (SOAWDSP)
 - Configuration Files
 - CSS Files

Presentation Summary

	Field Labels	Text	Overall Display Items	Other
Faculty Grade Entry	Config Files	Web Tailor	CSS File	SOAFACS
Student Advising Profile	Config Files	GUAINFO	CSS File	
Registration	SOAWSCR, Config Files	GUAINFO	CSS File	SOAWDSP

Questions & Answers



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Thank you

We want to hear from you— feedback survey

Access session surveys by using the survey widget on the mobile app or by logging into your session schedule builder.

Elizabeth McCarter, emason@uillinois.edu

John Tanner, jrtanner@uillinois.edu

Session ID 97137