June 2012

Campus Solutions 9.0 Additional Features July 2012
Pre-release Notes
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Due to the nature of the product architecture, it may not be possible to safely include all features described in this document without risking significant destabilization of the code.
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Executive Summary

This document provides an overview of the new features planned for delivery in Oracle’s PeopleSoft Campus Solutions 9.0 Additional Features July 2012. It is a preview intended to keep you updated and help you understand new features, to assess their applicability to your institution, and to help you plan your IT projects and investments.

The planned features previewed in this document are:

- Program Enrollment Updates
- Activity Management Updates
- Research Tracking Updates
- Common Attribute Framework
- Evaluation Management Updates

With every Additional Feature bundle, our goal is to help your organization leverage technology to its fullest and increase the efficiency and effectiveness of your operations. We strive to provide innovative and extensible functionality that will reduce the need for customization and maximize the return on your investment in Oracle Campus Solutions. One of the benefits of our Continuous Delivery Model is that it allows Oracle Campus Solutions to deploy new functionality incrementally rather than delivering large units of new development at any one time. Initial functionality for the planned Additional Features July 2012 has been introduced in several previous Additional Feature bundles and is being updated. It is important to note that Oracle does not expect customers to be
able to fully deploy the features planned for AF July 2012. However, by introducing
new structures that provide a significant new range of functionality we anticipate that
our customers will take the opportunity to evaluate new capabilities, review
documentation, and begin their analysis for how they can leverage features, once
fully delivered. Additional resources are planned to help your organization determine the
impacts of implementing these new capabilities. We encourage you to visit *My Oracle
Support* frequently to keep apprised of resources as they become available. While every
attempt is made to accurately describe our intentions, the delivered additional features
may not have every feature or capability mentioned in this document, and a specific
feature may become part of a different application or have a different product name than
those cited in this document.
Program Enrollment Updates

Program Enrollment describes an educational model where a student must generally complete a strictly defined set of courses towards the completion of their academic objective in a specified sequence; each of which are often structured in a series of levels or stages, where one stage must be successfully completed before a student can progress and enroll in the next set of courses. Program Enrollment provides a flexible structure that can enable institutions to apply this framework to various program requirements to organize curricula and control enrollment. We introduced our initial offerings in Additional Features July 2011 in which we concentrated on delivering the core setup that would support Program Enrollment functionality in later releases. In Additional Features January 2012 we introduced student data structures to support this flexible enrollment model: the Academic Progress Tracker (APT).

In Additional Features July 2012, we plan to introduce the following features:

- **Ability to Create Academic Item Registry (AIR):** Course items from the Course Catalog: One of the most prevalent Academic Item Types used to construct a program curriculum in the delivered Academic Item Registry is a Course. Course Item types are connected directly to a course on the Course Catalog. In order to streamline the creation of a Course Academic Item, a planned component will allow users to create Academic Course Items in the AIR from core Course Catalog courses/offerings. Using this new component, a user can select to build an AIR from a unique Course ID manually. A batch process utilizing Population Selection functionality is also planned for delivery so that users can select groups of courses for which Academic Items can be automatically created.

- **Program Enrollment connection to Activity Management:** Activity Management provides extensive and flexible assessment capabilities that are critical for tracking a student’s progress through a program curriculum. Functionality to link AIR result types to Activity Management is planned for Additional Features July 2012.

- **Adoption of the Common Attribute Framework (CAF) in AIR:** In order to take full advantage of the extensibility offered by the Common Attribute Framework, the Academic Item Registry will be enabled for CAF for July 2012. Please see the Common Attribute Framework section below for more details.

Expected Benefits: Program Enrollment

With each Additional Feature bundle, Program Enrollment’s design continues to evolve to provide important fundamental benefits to our customers which include:

- **Flexibility –** The Academic Item Registry (AIR) provides institutions with a truly configurable framework that supports both controlled program curricula and flexible program structures.
• Usability – Feature functionality such as Build Program by Format provides institutions with an intuitive way in which to build out their program curricula including the ability to share academic items such as course lists and course groups between programs of study.

• Extensibility – With the introduction of the Common Attribute Framework, we have enhanced the ability to define and store critical institution-specific data items.

• Student Centered - supports the various business processes that center on the management of student program data that provide planning and enrollment capabilities that track student progression through program completion. Program enrollment also provides the ability to build out individualized program structures for students, where the requirements differ from the standard program curriculum.

Beyond Additional Features July 2012: Planned Additions to Program Enrollment

Our Continuous Delivery model allows us to build upon and deliver Program Enrollment over several bundles. Upcoming Additional Feature bundles are targeted to include:

• Processing to create Academic Progress Tracker instances for individuals or groups of students, and to assign academic items (courses, etc. to that instance)
• Rules based processing for Progression, Calculating Results and other functions
• Enrollment enhancements for enrolling students into mandatory courses
• Program Enrollment based student self-service features, including Planning and Enrollment

Activity Management Updates

Institutions require flexible and granular grading structures and calculation functionality to evaluate a variety of student assignments, attendance and course level examinations. In an ongoing effort to meet this customer-driven request, we have designed and continue to deliver a comprehensive solution called “Activity Management”. This is the fourth installment in a series of continuous deliverables for Activity Management.

The first phase of Activity Management was delivered in Additional Features July 2011 in which we introduced the Activity Registry which represents the foundation for managing marks and exams in Campus Solutions.

In January 2012, we focused on applying that structure to your schedule of classes by allowing administrative users to manage and organize class content by using two new comprehensive features:

• Activity Generator
• Activity Manager
Additional Features April 2012 introduced functionality associated with scheduling, most specifically those relating to examinations. Features included:

- The Academic Period Table
- Scheduled Activity Security
- The Section Manager where exam sections are associated with a facility, date and time.
- Updates to the Activity Definition to support the creation of exam sections.
- Updates to the Activity Registry to support exam only courses and content conditions.
- Updates to the Activity Generator to support exam sections and exam only courses.
- Updates to the Activity Manager to support exam sections.

In Additional Features July 2012 our focus is on delivering important additions and improvements to the functionality we have deployed in our previous installments which are summarized below.

- A fundamental feature of Activity Management is the ability to define detailed content options when defining an Activity Registry. One of those content options provides the ability to establish the minimum passing grade for any Activity Definition like class projects, exams, or written assignments. We’ve added an additional field to the Content Options to capture a Passing Grade. Used with or instead of the Passing Mark these fields can be used to display to the student the passing expectation level for an assignment.

- Many institutions, academic departments, and faculty require precise displays for various marks that are displayed to students. To provide the broadest flexibility, we plan to relocate a setup field to the Result Scale component called Mark Display Option. This field will identify to which decimal level a school wishes to display. For example, a written assignment may have a minimum passing requirement of 67.5 while an exam might have a minimum pass mark set to 70.525.

- To support individualized coursework for a student, an additional capability is planned for the Activity Manager by supplying a field for designating Individualized Content. Displayed as a Content Option, it can be used for category, exam, attendance and assessment item content types to design a course requirement that can be assigned to specific student or a subset of students only.

- Designing coursework that includes multiple content items like assignments, exams, and projects can be a complex and lengthy process. In Additional Features July 2012, we plan to reduce that complexity by adding the ability to sort these items as they are added to the activity structure. All content items will have a sort sequence value in the Activity Manager and users can alter each as needed to sequence new (and even existing) content items to create an intuitive display in the content tree.
• In order to take full advantage of the extensibility offered by the Common Attribute Framework, Activity Registry is targeted to be enabled for the Common Attribute Framework in July 2012. Please see the Common Attribute Framework section below for more details.

Other updates to Activity Management planned for Additional Features July 2012 include:

• Incorporation of the Content Conditions introduced in AF April 2012 into the Activity Manager. The content conditions created in the Activity Registry are now displayed and are editable in the Activity Manager.

• The introduction of Content Type Usage into the Result Type Table. This addition sets the foundation for grading of student activities and allows schools to establish a link between Activity Management content types and Program Enrollment academic item types.

• The addition of an Exam Only Course flag to the Course Catalog Offering page which will default to the Activity Manager and will control the ability to schedule class sections.

• Adjustment of fields on the following components:
  o Movement of the Content Item Prefix and Content Item Step fields from the Activity Definition to the Student Admin Installation page.
  o Removal of the Content Item Prefix field from the Activity Registry.
  o Removal of the Assign Remaining Content Items from the Activity Generator.

Expected Benefits: Activity Management

Activity Management allows you to use extensive feature functions to construct basic course structure and its content and to define the result structure that maps marks, grades and outcomes that are required by various academic areas, programs, and courses applicable to your institution.

The fundamental benefits of Activity Management are its configurability and reusability.

• You can configure course grading structures, apply them to multiple courses and choose how to manage required coursework. Institutions can also configure their individual examination requirements.

• You can reuse the course grading structures and associate them to similar courses throughout your course catalog. Extensive copy features within the Activity Registry can be used to streamline data entry.

Beyond Additional Features July 2012: Planned Additions to Activity Management

Our Continuous Delivery Model allows us to make improvements to Activity Management on an ongoing basis as we assess our design, usability and receive feedback from customers.

Upcoming Additional Feature bundles are targeted to include:
• Activity enrollment, including enrollment into examinations
• Activity rosters for faculty and administrative grading of student activities
• Self service access into activity management structures for students, faculty, and administrative managers
• Interface Activity Management results to Program Enrollment as required to support progression rules.

Research Tracking Updates

In Additional Features January 2012, we introduced the Research Tracking feature. Research Tracking provides a central repository of research candidates’ information with administrative components in which to monitor research candidate progress, track research topics, maintain supervisory assignments and provide a comprehensive management tool for supporting the “life cycle” of these unique students. We delivered the first phase of Research Tracking functionality which included:

• Setup components in which users can identify and define research eligible academic programs and plans, available research topics at the institution, and available research supervisors and the level of their participation.

• A Candidate Management data structure which provides the ability to define and track a research candidate’s research topic, supervisors, thesis submission dates, and other school-defined requirements.

• A new Thesis Processing feature which will track the submission and evaluation of the candidate's thesis or dissertation

In Additional Features July 2012, updates to Research Tracking feature functionality updates are planned in two major areas: Candidate and Thesis Management administration, and Research Topic setup.

Candidate and Thesis Management Updates

Integration of the Common Attribute Framework within the Candidate Management component: Common attributes can now be defined within the component and associated for the following entities:

• Research Topics
• Supervisors
• Consumption and Submission
• Other Assignments

A common attribute subpage is provided for each, which can be accessed using the Additional Information link that will appear on each page. For more detailed information on the planned Common Attributes Framework, please see that section below.

Thesis Management Component Usability Enhancements:

• Modify layout of the Thesis Submission and Final Result pages to support the business process flow.

• Updates to default values, data validation, and delivered error messaging of which several can be controlled with new research setup parameters added to the Academic Program and Academic Plan setup delivered in January 2012.

• Common Attribute Framework integration: Common attributes can be added through a new page tab to the Thesis Management Component titled Additional Information. For more detailed information on the planned Common Attributes Framework, please see the section below.

Research Topic Setup Updates

Advanced research is conducted and supported by a variety of people and organizations not only within the university but also external to it. In January 2012, we introduced extensive setup capabilities that allow you to define research topics. In July 2012, we plan to add functionality that will allow you to manage various organizations and contacts that are related to specific research topics.

A new tab for the Research Topic component called Organization and Contacts is planned. This page will allow a user to associate one/more academic or external organization(s) with a research topic. This page will also allow the user to assign contacts for a research topic.
Because organizations that support research can be external to the university or be part of its internal organizational structure, we plan to use existing features which utilize External Organizations and the internal Academic Organization table for this functionality.

Contacts can be assigned for both external and internal academic organizations and tracked on the planned new page. We will be leveraging the Campus Solutions Bio-demographic structure to define contact persons and their information, and so will also deliver a Research Demographic Usage component to control the contact's address, email, and phone information that will display. This also better prepares us for supporting future notification generation.

A new tab called Additional Information is planned for addition to the existing Research Topic component which will utilize the Common Attributes Framework for extending topic data to be captured. For more detailed information on the planned Common Attributes Framework, please see the section below.

Expected Benefits: Research Tracking

The Research Enrollment Tracking feature is intended to provide a complete set of operations for administrators to manage their graduate research candidates including:
• Ability to capture and manage research related information in a single location in the Candidate Management component. This component brings together all of the key research related data for a student so that it can be used to track a student’s research progress to the point of thesis submission and result outcome.

• Ability to manage and allocate both internal and external supervisors and link them to various research topics.

• The ability to track and manage the Thesis Submission process in a single location using the Thesis Management administrative component. It provides institutions with the ability to view the details related to submission, progress, and final decisions.

Beyond Additional Features July 2012: Planned Additions to Research Tracking

Our Additional Features delivery model provides the ability to change, update, and add to our design on a continual basis. Planned future functionality for Research Tracking includes:

• Supervisor Setup – design updates to the data structure used to manage research supervisor information that will use Affiliations to define the supervisor’s role at the university. Additional supervisor attributes such as approval of qualifications, detailed supervision availability, and internal and external organization relationships are anticipated.

• Candidate Consumption and Service Request Processing: a critical element for tracking the research student is the ability to define an intended completion date and monitor the time to completion.

• Future functionality includes:
  - Consumption setup and calculations
  - Defining and processing service requests such as Leave of Absences, research load changes, and extension requests
  - Admissions matriculation edits for research candidates

The Common Attribute Framework (CAF)

Requests for new data fields throughout Campus Solutions are fairly common from our customer base. However, delivery, testing, and documentation of new fields largely depends on their common utility and impact on batch processes, components and core functionality. In many cases, individual areas of an institution have valid business needs to add one or more fields to a component. The Academic Item Attributes feature (introduced for Program Enrollment in July 2011) addressed this requirement in a specific functional area - the Academic Item Registry (AIR) - by allowing users to add additional fields to the AIR component via delivered configuration rather than through a development process. Targeted for July 2012, the Common
Attribute Framework (CAF) builds on this design principle by providing the ability to add additional fields in any functional area where the framework is enabled.

For this first installment of CAF, functionality has been enabled for Program Enrollment (replacing Academic Item Attributes), Activity Management and Research Tracking. CAF functionality has been enabled in these areas, with the delivery of a pre-defined Record Context, with a dedicated table in each area for storing attributes and sub-pages for users to enter attributes and attribute values. The feature can be used once user defined attributes have been defined and associated with each area.

A Common Attribute is a field with a user defined data type. A CAF based field can also use prompt values which can be based on values defined specifically for that field or based on a prompt against an existing table or translate field. The framework will provide the means to define these various fields and associate them with an existing feature (at the Record level).

CAF will allow users to add the following field types:

- Date
- Time
- Yes/No (Checkbox)
- Text
- List of (valid) Values
The framework also provides two delivered sub-pages that can easily be incorporated into the existing UI for a particular feature. One sub-page option allows the incorporation of CAF based fields to an existing page. This is the preferred approach when the page layout permits the addition of a new scroll area and is planned for the Academic Item Registry component:
The other sub-page page option utilizes a user defined link that opens up a secondary page in which user defined data elements can be accessed by users:

With Additional Features July 2012, Campus Solutions initially intends to deliver CAF enabled components for Program Enrollment, Activity Management, and Research Tracking components. These include:
• Program Enrollment: Academic Item Registry (at the academic item and child item level)
• Activity Management: Activity Registry
• Research Tracking: Research Topics, Student Admissions – Candidate Details, Candidate Management and Thesis Management

Expected Benefits: Extending Campus Solutions with the Common Attribute Framework

In AF July 2012, the Common Attribute Framework is anticipated to be enabled for components related to Program Enrollment, Activity Management and Research Tracking. However, in the future we anticipate that CAF will have utility across Campus Solutions over time by providing:

• A method for customers to add user defined fields to a PIA page without resorting to customization.
• An alternative approach to adding data fields associated with regional or country specific extensions for national, provincial, or state reporting or other localized business processes.

Evaluation Management System (EMS) Updates

In Additional Features January 2012 we introduced the initial delivery phase for EMS that provided setup and administrative components to support generic evaluation practices for our customer communities. Using these configurable structures a user can construct and manage evaluation processes that:

• Tie the evaluation to a set of functional area data in the system (ex. Graduate level thesis, doctoral dissertations, admissions, etc.)
• Identify what will be evaluated:
  o Define what is assessed in the evaluation, what ratings or measures are required, and assess the use of multiple rating schemes in the evaluation.
• Define who will evaluate criteria in the rating schemes:
  o Committees and/or an individual evaluator as reviewers
• Create multiple levels of evaluation review and process flow
• Define specific values for recommendation and status fields that are meaningful end users
• Control desired behavior in the administrative component:
  o Ability to add or delete rating components from an evaluation
  o Designate which components are required
• Use Batch processing to:
Create evaluations

Update and maintain evaluations to:
- Assign evaluators on an ad hoc basis
- Reassign or remove an evaluator
- Add or delete an evaluation component

Delete evaluation records

In Additional Features July 2012, we plan on delivering the following updates to EMS:

- Batch update of statuses: We plan to add the following capabilities to the Update Evaluations process:
  - Update Evaluation Status, Status Date, Recommendation, Recommend Prize fields on the Evaluation Overview page
  - The run control supports multiple types of updates and actions. It is important to note that those actions occur on the results returned from a population selection process.

- In order to streamline usability, we plan to introduce a Copy function for setup components from one Evaluation Category to a new Category. For example, an existing Evaluation Category (with its underlying setup for Evaluation Status codes, Rating Components, Recommendation codes, Rating Schemes and Committee and Individual Evaluator Schemes) used by the Graduate History department for thesis review evaluation can be copied for use by the Economics Department which needs a similar setup. There is enough commonality in terminology of these setup values that can be copied under the new Category saving users data entry time.

- Because many evaluation procedures contain complex layers that require careful management, we are introducing functionality that will ‘lock down’ the various levels of the evaluation as each level is completed and the evaluation status is set to the final default value as designated on the Evaluation Code setup. This “lock down” continues in a progressive manner until all levels are final, then the Evaluation Status field on the Evaluation Overview page can be set to final.

- A convenient Attachments link has been added at every level of the Evaluation component so that attachments can be aligned to the evaluator who submitted them.
Other planned enhancements to existing functionality are:

- **Recommended Prize Prompt on Evaluation Code component**: we’ve allowed the user to designate an alternative record and field from which to draw the prize (honor, award, etc.) values rather than restricting it to the Honors and Award table (which provides the initial default values).

- **Reassign Evaluator functionality in the Manage Evaluation component**: which previously only existed as a batch process operation.

**Expected Benefits: Evaluation Management**

Most institutions manage evaluation policies that require criteria applied to various “candidates” in a variety of processes. These processes frequently involve managing internal and external
evaluators and committees, require the control and flow of materials and data used for adjudication, and frequently employ complex rules applied to candidates and their credentials. While evaluation practices have fundamental similarities, they vary sufficiently between and within institutions to require configurable structures for constructing, administering and executing evaluations activity.

- One of the key benefits of Evaluation Management is that it will provide institutions with a generic evaluation structure that can be applied to a variety of institutional procedural settings including admissions, scholarships, certifications, research dissertations, and variety of other similar activities.

- The administrative component Manage Student Evaluations provides institutions with a ‘one stop shop’ for evaluations related information that can hold either individual or committee evaluator outcomes or ratings for applicants or research candidates.

- The flexible design of Evaluation Management setup allows users to support many different types and levels of evaluation review; and to construct a reusable structure that defines who evaluates, what is evaluated, and the sequence of evaluation. This allows you to configure individual or hierarchical relationships between committees, where a thesis or an application may need to be evaluated by one or more individuals and multiple panels or committees in a specific evaluation order. For example, an application or thesis being evaluated by individual examiners or by multiple committees with the ability to record the recommendations of each.

- Evaluation Management provides the ability to create, assign and delete evaluation items to individuals or by using a batch process based on the institution’s requirements and business processes. This will help to reduce the administrative burden of assigning and maintaining evaluations for applicants and research candidates, as well as helping to streamline the business flow.

Beyond Additional Features July 2012: Planned Additions to Evaluation Management

The Continuous Delivery Model allows Oracle Campus Solutions to deploy new functionality incrementally rather than delivering large units of new development at any one time. With the initial foundation for EMS provided in January and July 2012, we plan to continue to deliver phased functionality that is anticipated to include:

- An Evaluation Center which will allow an evaluator to conduct and complete their evaluation review online and access content relevant to that review. It is anticipated that an evaluation administrator can access the Center for a high level view of the evaluations for which they have oversight and monitor the progress of those evaluations.

- Integration with a rules engine which can process and calculate data in the system and allow for automation of an evaluation.

- Work flow and Notifications integration.
Anticipated Documentation for Additional Features July 2012

In order to gain a thorough understanding of the important new functionality targeted for Additional Features extensive documentation is planned, updated, and deployed for each Additional Feature. These planned references represent our commitment to keep you informed and prepared to take full advantage of the features that are available through our Continuous Delivery Model. Customers should visit My Oracle Support PeopleSoft Enterprise Campus Solutions 9.0 Documentation Home Page (Doc ID 751540.1) for access when Additional Features July 2012 is made available.

Planned Campus Solutions 9.0 Bundle #26 Functional Documentation for Additional Features July 2012:

- For the Common Attribute Framework refer to: CS_Bundle_26_Campus_Community_9_0.pdf
- For Program Enrollment refer to: PEAM Program Enrollment Documentation.pdf and Program Enrollment_Activity Management Benefits Document.pdf
- For Activity Management refer to: PEAM Activity Management Documentation.pdf and Program Enrollment_Activity Management Benefits Document.pdf
- For Research Tracking refer to: Research Tracking and Thesis Management.pdf
- For Evaluation Management refer to: Research Tracking_Evaluation Management.pdf

Conclusion

The introduction of the extensive functionality in Additional Features July 2012 illustrates Oracle’s commitment to advancing innovative functional models for Campus Solutions to serve a world-wide customer base. We can do this by employing a Continuous Delivery Model which provides the ability to take advantage of new and important technology and innovative design on an ongoing and sustained basis. The Campus Solutions 9.0 Additional Features July 2012 is intended to meet customer needs, extend value, and provide leadership for our global higher education community. We encourage all business areas to evaluate the content of this Additional Features bundle for applicability to their business processes.