

# Delta Overview Student Lifecycle Management EHP 4 (Business Suite 7)



## Applies to:

Student Lifecycle Management EHP 4.

For more information, visit the [Business Process Expert homepage](#).

## Summary

This document provides a basic overview on the new functionalities and enhancements delivered for Student Lifecycle Management for Business Suite 7 (BS7).

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## Introduction

BS7 supports institutions of higher education to provide enhanced student services, including self-services, and to manage student attendance, registration, progress and performance. Tighter integration to other core systems, such as Learning Management Systems, is also offered to add enterprise support from the back-office to the classroom.

### 1. Enterprise SOA Enablement - Automate Academic Follow-Up Processes in the System and across Third-Party Applications (Business Function ISHERCM\_ESOA)

Benefits:

- Academic-related actions in SAP Student Lifecycle Management can be used to trigger automated follow-up processes, thus minimizing the need for manual user intervention.
- Academic processes can then be managed with greater speed and accuracy than is possible via any kind of manual, batch, or report-based processing.
- Academic actions can also trigger real-time messages to third-party applications, such as learning management systems and financial aid systems.
- Third-party applications will be able to access information in SAP Student Lifecycle Management via enterprise services, reducing the cost and complexity of integrated processing.

#### 1.1. Enterprise Services for Third-Party Integration

Description:

- Enterprise services provide standard interfaces for third-party learning management systems to be notified about changes to course offerings and course registrations:
- Enterprise services provide standard interfaces for third-party applications, such as financial aid systems, to be notified about changes to student and applicant status.
- Enterprise services allow third-party applications to access information about students, registrations, and academic offerings through standard Web services.

Target Users for this Business Function:

Information technology users and application developers and integrators.

#### 1.2. Academic Postprocessing Framework

Description:

Changes to a student's academic history and to academic offerings can trigger an event in the new academic postprocessing framework:

- Each event will carry a context that allows business rules (defined in the business rules framework) to determine what, if any, automated follow-up actions shall be performed.
- Follow-up actions can be freely defined, including the ability to send messages to external applications via SAP NetWeaver Process Integration).

Target Users for this Business Function:

Information technology users and application programmers

## 2. Implementation Accelerators for SAP Student Lifecycle Management (Business Function ISHERCM\_EXT\_IAP)

Benefits:

Implementation efforts are greatly reduced with new features (2.1. and 2.2.) and enhancements of existing features (2.3. – 2.10.) that are typically addressed via custom development.

### 2.1. Attendance Tracking – NEW FEATURE

Description:

Instructors can track each student's attendance and tardiness for each class:

- Excused and unexcused absence reasons can be configured.
- Pre-excused absences can be recorded for students.
- Absence data can be automatically considered during appraisal calculations.

Target Users for this Business Function:

Instructors for attendance entry; registrars for pre-excused absence entry

### 2.2. Module-Based Correspondence – NEW FEATURE

Description:

Correspondence can be generated using a module or event as the context object, rather than student.

Target Users for this Business Function:

Academic department users

### 2.3. Stored Performance Indexes

Description:

Performance index calculation results can be persistently stored, rather than always dynamically calculated:

- SAP NetWeaver Business Intelligence extractors are delivered for flexible performance index reporting.
- Changes to stored performance indexes can trigger postprocessing framework events.

Target Users for this Business Function:

Information technology users; registrar's office.

### 2.4. New Booking Check Framework

Description:

Boolean combinations and set-based prerequisites and corequisites for module booking can be easily defined:

- Non-course-based prerequisites can be defined without the use of VSR rules.
- New framework is based on subrequirements (similar to audits).

Target Users for this Business Function:

Information technology users.

## 2.5. Audit Framework Enhancements

### Description:

Audit rule containers can be automatically generated for the academic structure:

- Audit subrequirements can be defined to disallow reuse of academic work.
- Audit subrequirements can be defined to use academic work in an incremental manner until the conditions are met.
- Audit subrequirements can be prioritized for an audit run.

Target Users for this Business Function:

Academic departments.

## 2.6. Online Grading User Interface

### Description:

This development is an alternative to the current Java Web Dynpro application for appraisal self-service.

Web Dynpro name: Web Dynpro application 'PIQUIBB\_APPR\_SELF\_SERVICE\_APP'.

### Access:

Please run the web dynpro application configuration "PIQ\_APPR\_SELF\_SERVICE\_APP" of the application "PIQUIBB\_APPR\_SELF\_SERVICE\_APP". They are found in the package "PMIQ\_EXT\_IAP".

Right click on the application configuration "PIQ\_APPR\_SELF\_SERVICE\_APP" and click on 'test' to run the application.

In this case all the academic offerings corresponding to the appraiser logged on to the system (this can be a person, external person, student, or any business partner objects) for the current year and session (or any selected year and session) are listed in the UI. This can be run as a standalone application.

Target Users for this Business Function:

Instructors.

## 2.7. Event-Offering Business Add-Ins

### Description:

- Business add-ins for event offerings allow default and suggested abbreviations and names of events and event packages.
- Business add-in allows customer-specific validation rules of event offering data.

Target Users for this Business Function:

Academic department users.

## 2.8. Academic Work UI Enhancements

### Description:

- Academic work user interface (UI) can now be accessed directly (with student search), rather than requiring navigation via the student file.
- Business add-ins are available for advanced validation of the academic work data entered.

Target Users for this Business Function:

Registrar's office user

## 2.9. Relaxable Booking Checks

### Description:

Booking capacity checks at the module level can be relaxed. -Booking checks during wait-list move-up can be relaxed.

### Target Users for this Business Function:

Registrar's office users.

## 2.10. Simplified Graduation Record Creation for Students

### Description:

Graduation records for a student can now be created directly from the existing transaction: graduation per student. Previously, it could be done only from graduation per program.

### Target Users for this Business Function:

Registrar's office users

## 3. User Interface for Student (Business Function ISHERCM\_UI\_STUDENT)

Self-Service academic processes can increase service levels and decrease operating costs.

### Benefits:

Institutions can provide students with a wide variety of self-service applications for common functions that would otherwise require manual processing by an administrative user:

- Students' expectations of availability of online services can be met or exceeded.
- New comprehensive course registration self-service minimizes the need for direct advisor or administrative user intervention, allowing students to register for courses efficiently to complete their academic programs successfully.

### 3.1. Course Registration Self-Service – NEW FEATURE

#### Description:

An out-of-the-box Web self-service application is provided (via Web Dynpro for ABAP) for student course registration:

- The application is highly configurable to meet individual requirements of universities.
- The Web self-service processing engine can be decoupled from back-end productive system for increased security.

#### Target Users for this Business Function:

Students and advisors (who register students for courses).

### 3.2. Student Portal Role – Enhancement of Existing Feature

#### Description:

- A portal role is provided for students, assembling the previously released student self-service applications and the new, Web-based course registration application.
- Student self-service functionality is decoupled from the back-end core system for increased security.

#### Target Users for this Business Function:

Students.

## 4. Student Lifecycle Management Localization for the Netherlands (Business Function ISHERCM\_LOCNL\_STUDYLINK\_1)

The localization enables management of Netherlands-specific master data and integration with Studielink.

Benefits:

- The system can communicate with Studielink by sending and receiving student master data and study data.
- The system can process information from Studielink and map it to corresponding processing in SAP Student Lifecycle Management.

### 4.1. Integration with Studielink – NEW FEATURE

Description:

Enables the system to integrate with Studielink via SAP NetWeaver XI. A Web service enables Studielink to send information to SAP Student Lifecycle Management, which can also send information about students to Studielink.

Target Users for this Business Function:

Faculty and administration teams in universities

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