XE Roadmap and Student Success

USG & Ellucian Partner meeting – July 13, 2013

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Director for Enrollment & Student Services

Jamie Chambron

Vice President * Management Consulting & Education Services

Agenda Slide

- Ellucian XE
- Banner XE & Roadmap
- Ellucian XE Architecture
- XE Applications Available Today
- XE Development Partners
- XE Applications in Process
- Ellucian On-Demand Subscription Library
  - Technical Training Week
- Q & A

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Roadmap Framing and Confidentiality

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Ellucian XE

Ellucian Extensible Ecosystem (XE)

- A vision for how we help institutions thrive during a time of dynamic change
  - An extensible and evolving ecosystem of solutions and services
  - An architectural strategy grounded in common principles and standards
  - A portfolio approach that accelerates innovation
  - A better way for customers to evolve their technology environments and protect their investments
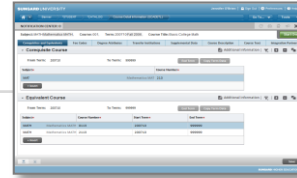
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Extending a Strong Administrative Foundation

Self Service

Admin UI

ANALYTICS

CRM: RECRUITING / STUDENT SUCCESS

MOBILE

| Liferay/Luminis | PORTAL / WEB | SharePoint-based |

PAYMENT CENTER

APIs / Web Services

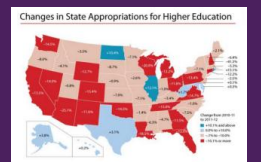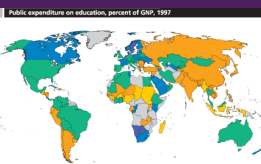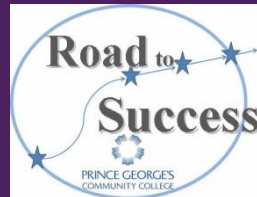| Banner XE | Colleague XE | PowerCampus XE | Partners |

Common Architecture

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Banner XE

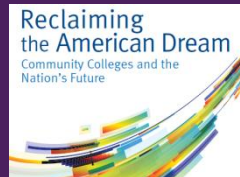# Trends Shaping Higher, Further and Vocational Education

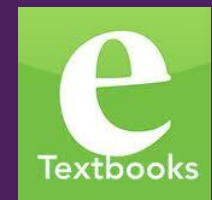| Revenue Pressures and Austerity	Engaging Students	Education Access and Readiness	Accountability and Outcomes	Global	Transformative Technology
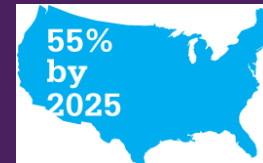
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Resulting Higher Education Challenges

Funding Pressures
- Revenue management: recruitment, retention, fundraising
- Increasing enrollment, capacity, revenue generation
- Tuition pressures and affordability

Operational Efficiency
- Optimizing resources, containing costs
- Process transparency, agility, improvement
- Financial visibility, discipline, controls, metrics

Student Success
- Services and tools to keep learners on track
- Diverse, flexible pathways to learning
- Improving learning outcomes (retention, completion, etc.)

Accountability
- Timely, reliable, useful information for each stakeholder
- Measuring and documenting performance, outcomes, compliance
- Data-driven decisions and discovery-based planning

Constituents' Expectations
- Faster, more flexible access to information and services
- Managing and keeping up with pace of technology change
- Education experiences that set your institution apart

Engaging the Community
- Cultivating relationships with constituents of all types
- Partnerships with donors, peer institutions, industry, etc.
- Shared services, community source, resources, information, best practices

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From Horizon to Banner XE

2009
Selected Java stack

2010
Shared vision and built initial platform/ integration

2011
Shared roadmaps
Delivered Course Catalog and Class Schedule

2012
Delivered XE Roadmaps and additional applications

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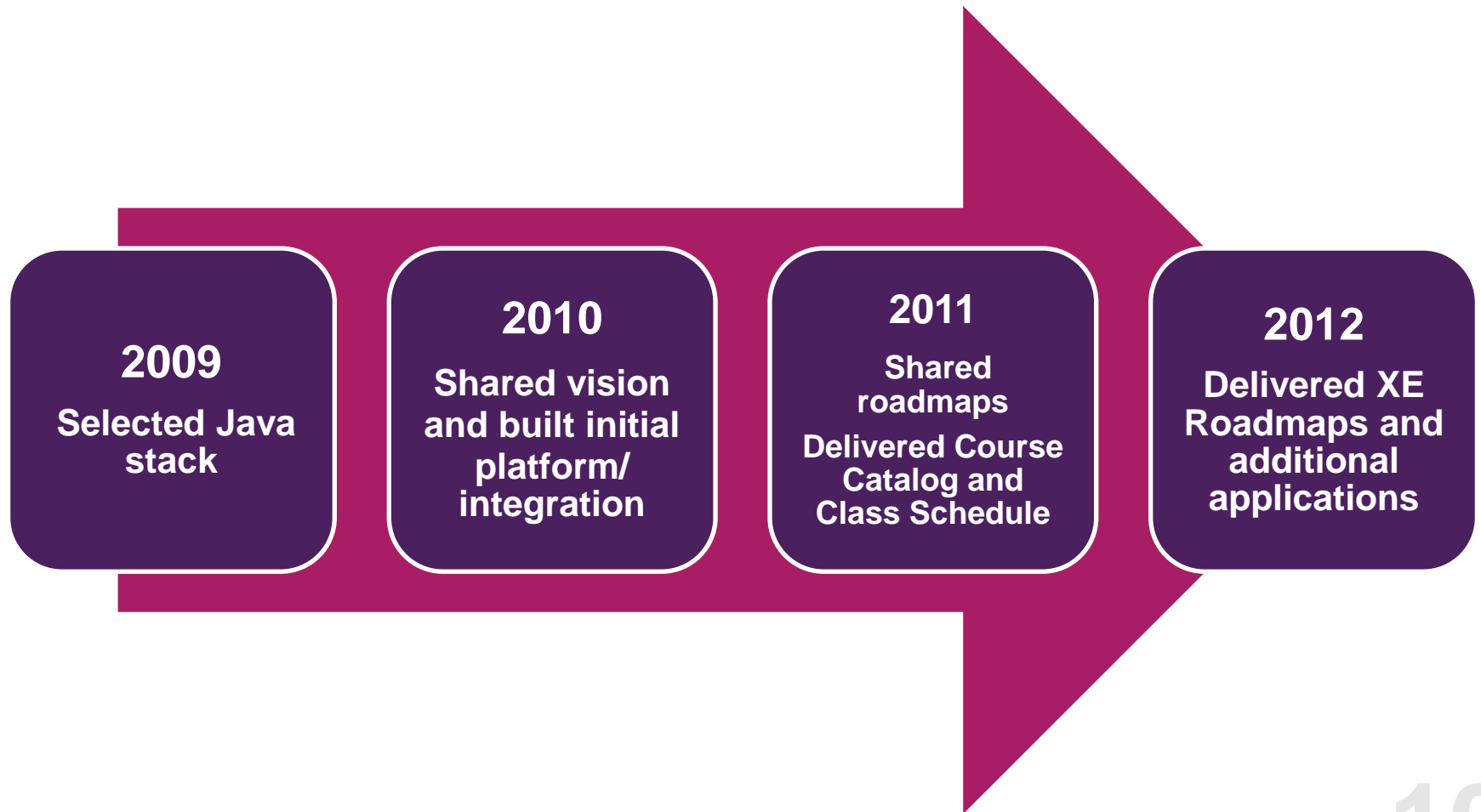
Higher Education Challenges and Customer Strategic Priorities

Funding Pressures

Operational Efficiency

Student Success

Accountability

Constituents' Expectations

Engaging the Community

Usability

Features / Functionality

Single Global Product

Configuration

Extensibility

Scalability

Cloud Delivery

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Investments in Banner XE Doubling as Result

Investment →

Area of Focus ↑

- Usability
- Configurability
- Features & Functions
- Extensibility
- Scalability
- Off-Premise
- Global Product

2009-2012

Horizon/Banner9

Q4 2012 Forward

Banner XE

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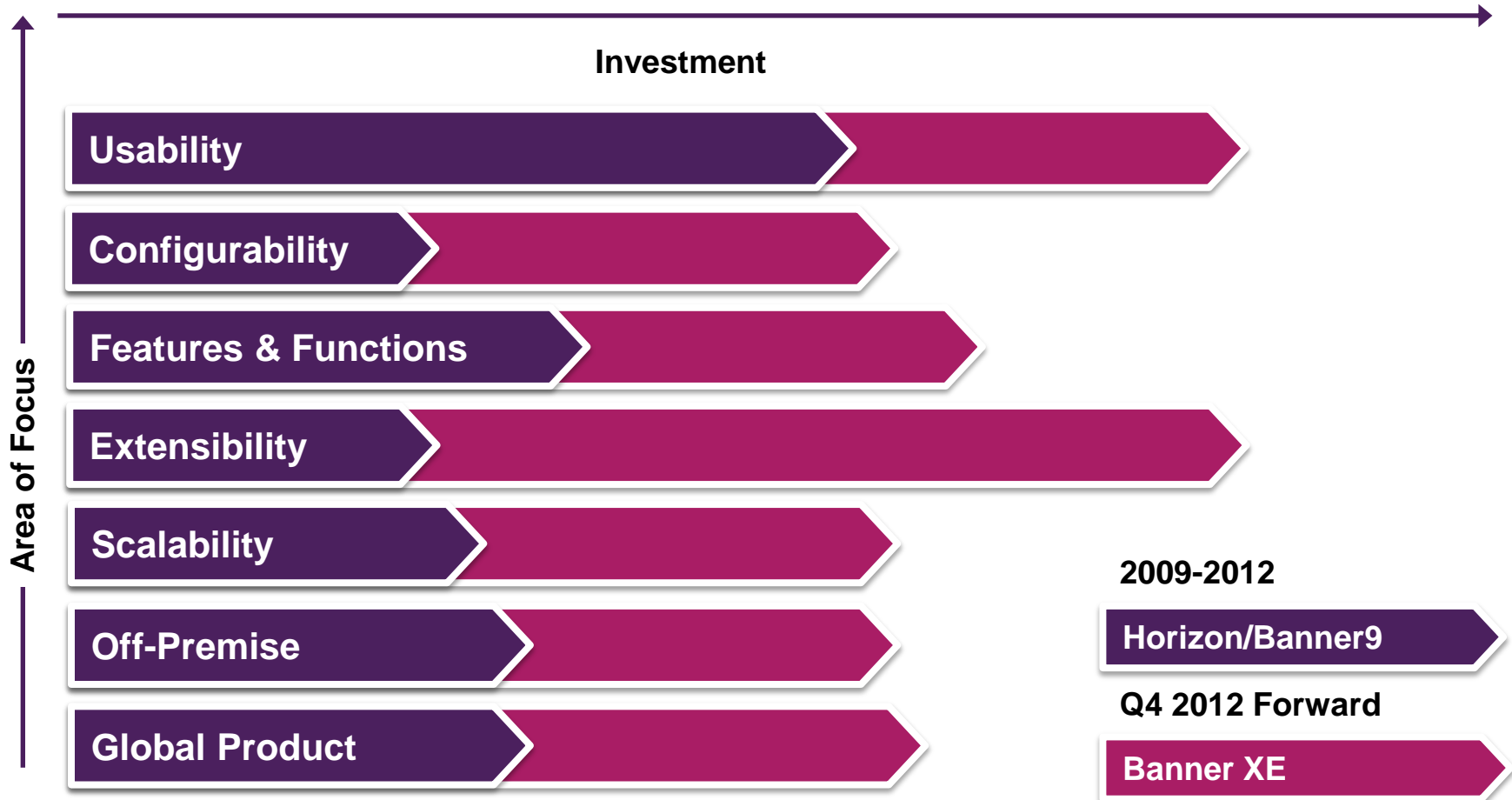
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Ellucian Roadmap Legend

Delivered — **80%** — **65%** — **50%** — **Exploring**

2012			2013			2014
Jan-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec

Features

Technology

Quality

APIs

Example Feature

Example Feature

Example Feature

Example Feature

Example Feature
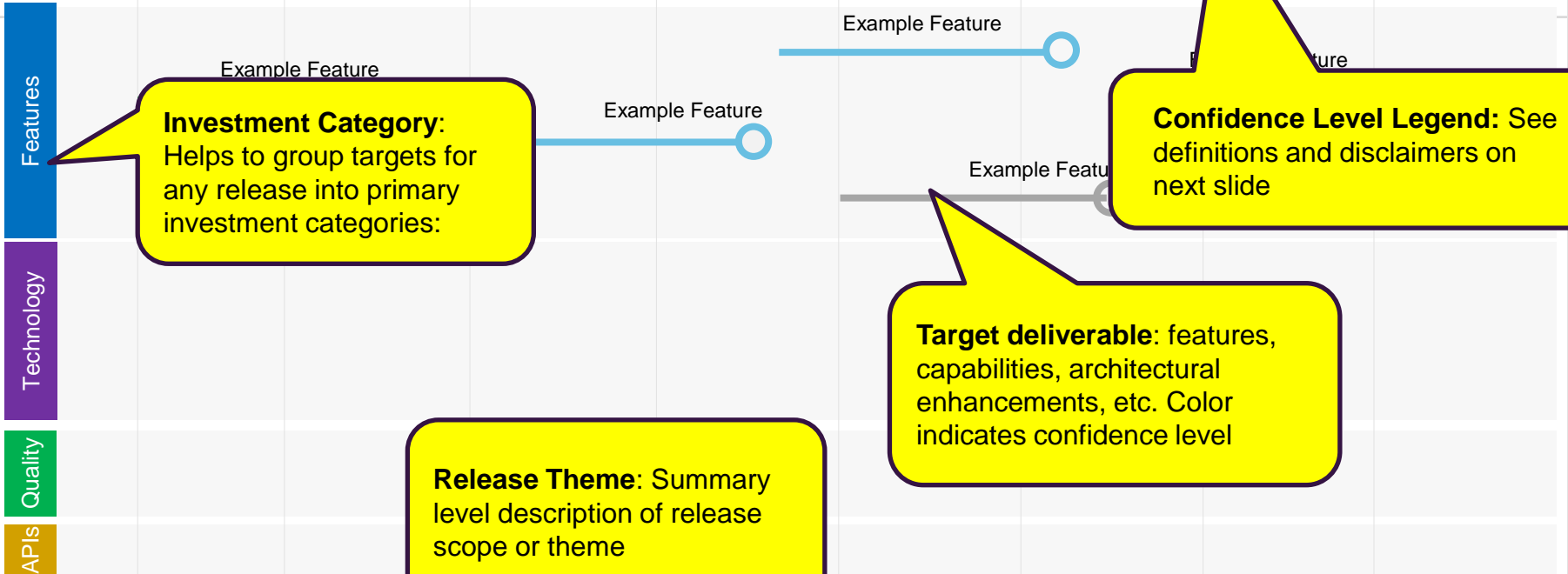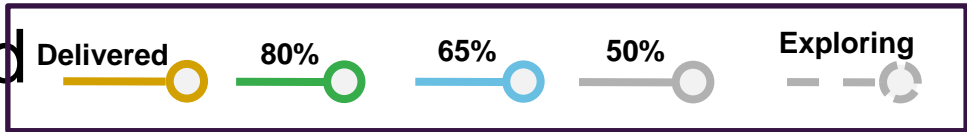
Investment Category: Helps to group targets for any release into primary investment categories:

Confidence Level Legend: See definitions and disclaimers on next slide

Target deliverable: features, capabilities, architectural enhancements, etc. Color indicates confidence level

Release Theme: Summary level description of release scope or theme

Preview/Theme

Technology	Quality	Features	APIs
- This release is focused on architectural enhancements	- This release is focused on quality	- This release is focused on features and functions	- This release is focused on APIs

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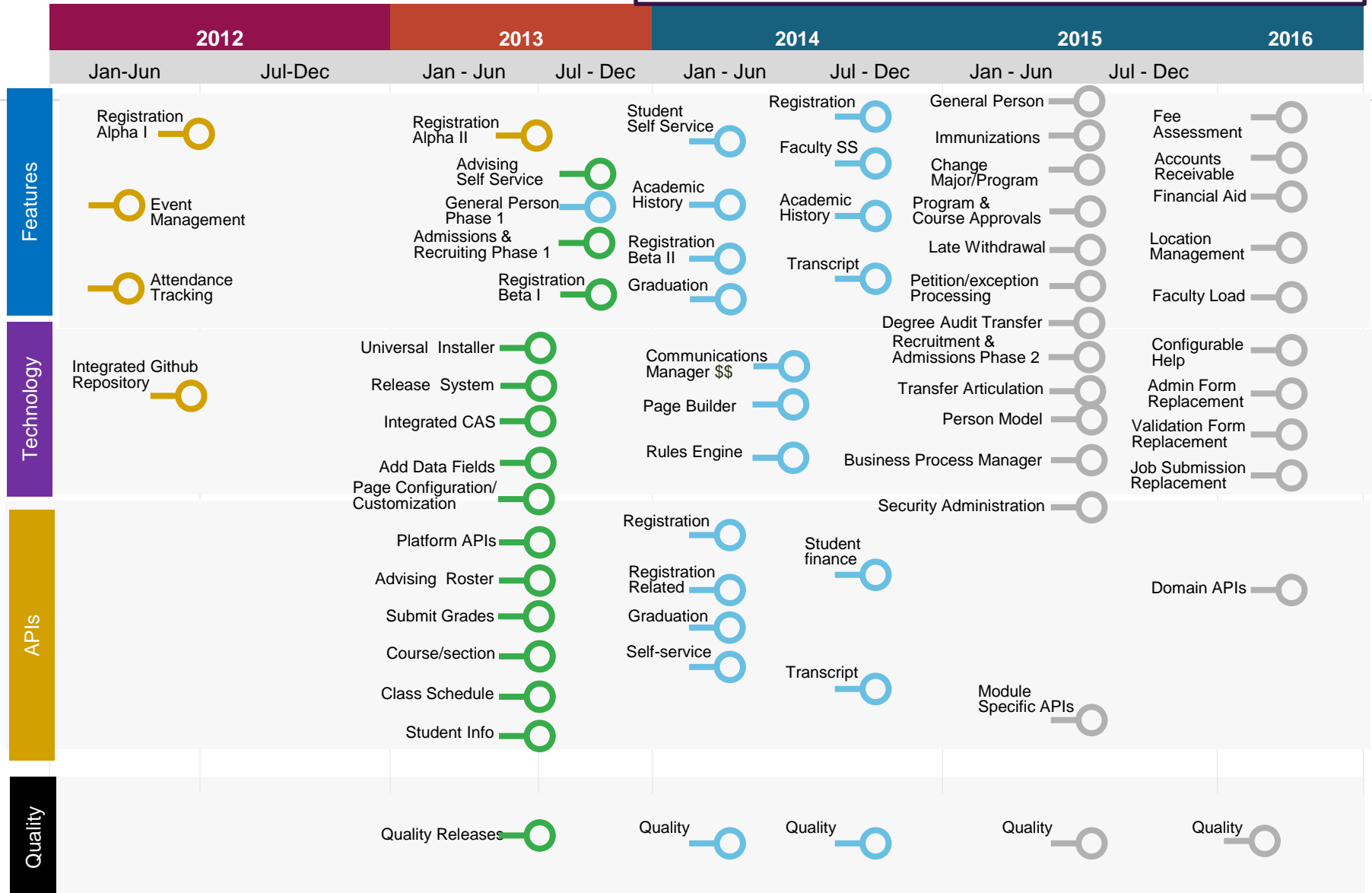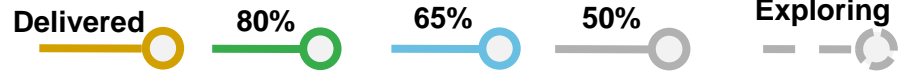
Confidence Level Definitions

We use the term **confidence level** to describe the likelihood that the items on the roadmap will be delivered at the dates shown on the timeline. There are many factors that impact our ability to predict delivery including but not limited to:

- **Customer priorities** – Our releases are driven by customer feedback and prioritization. Sometimes the priorities change due to any number of external factors. At any time, we may change the priorities in any given future release to better reflect our customers' interests.
- **Quality Targets** – Each of our product releases undergoes a stringent quality assurance process prior to release. Should a particular capability not meet our quality targets, we may choose to defer that specific capability to a future release or not complete the development of that capability at all.
- **Design Constraints** – In response to customer feedback, we attempt to provide visibility beyond the next product release. In doing so, we share capabilities that reflect customer requests but have not gone through the technical design phase. In some cases, the technical design phase will reveal a larger level of effort and dependencies that make the original timeframe infeasible. Further, the design phase could reveal that the capability is not technically feasible at all or not cost effective resulting in abandonment of effort.
- **Budget Cycles** – For roadmaps that might include visibility beyond the current Ellucian fiscal year budget, all items are subject to financial progress against goals and the availability of funds for that particular project in future budget cycles.
- **Engineering Forecasting Accuracy** – All roadmap items are subject to some level of forecasting accuracy imprecision resulting in certain functionality pushing out to later releases on a roadmap timeline.

The further out the release date, the higher the likelihood that one or more of these factors will impact the accuracy of our roadmaps. That is why we clearly indicate less than 100% confidence for our next release even though it may scheduled to be released in the short-term, and why we use decreasing confidence levels for items that are further out on the roadmap.

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Banner XE Student

	2012		2013		2014		2015		2016
	Jan-Jun	Jul-Dec	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Dec	Jan - Jun	Jul - Dec	

Features

- Registration Alpha I
- Event Management
- Attendance Tracking
- Registration Alpha II
- Advising Self Service
- General Person Phase 1
- Admissions & Recruiting Phase 1
- Registration Beta I
- Student Self Service
- Academic History
- Registration Beta II
- Graduation
- Registration
- Academic History
- Transcript
- Registration
- Faculty SS
- General Person
- Immunizations
- Change Major/Program
- Program & Course Approvals
- Late Withdrawal
- Petition/exception Processing
- Degree Audit Transfer
- Recruitment & Admissions Phase 2
- Transfer Articulation
- Person Model
- Business Process Manager
- Fee Assessment
- Accounts Receivable
- Financial Aid
- Location Management
- Faculty Load

Technology

- Integrated Github Repository
- Universal Installer
- Release System
- Integrated CAS
- Add Data Fields
- Page Configuration/ Customization
- Communications Manager $$
- Page Builder
- Rules Engine
- Security Administration
- Configurable Help
- Admin Form Replacement
- Validation Form Replacement
- Job Submission Replacement

APIs

- Platform APIs
- Advising Roster
- Submit Grades
- Course/section
- Class Schedule
- Student Info
- Registration
- Registration Related
- Graduation
- Self-service
- Student finance
- Transcript
- Module Specific APIs
- Domain APIs

Quality

- Quality Releases
- Quality
- Quality
- Quality
- Quality

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Timing is Everything

- First half of the roadmap is designed to impact learning and student success:
  - Self Service for Advisors, Faculty, and Students
  - All Academic Administrative functions
- Second half of the roadmap is designed to have greater impact on efficiencies and student financial management
  - Business Process Management and Automation
  - Fee Assessment, Financial Aid, A/R

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Banner XE Architecture

Migration from Legacy to New Architecture

The Database stays the Same

Benefit = Stability

Benefit = Flexibility

Oracle Database

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Migration from Legacy to New Architecture

Banner INB	Banner SSB
Forms	HTML Cartridge
Forms Applet	
SQL NET	
PL/SQL	
Oracle Database	
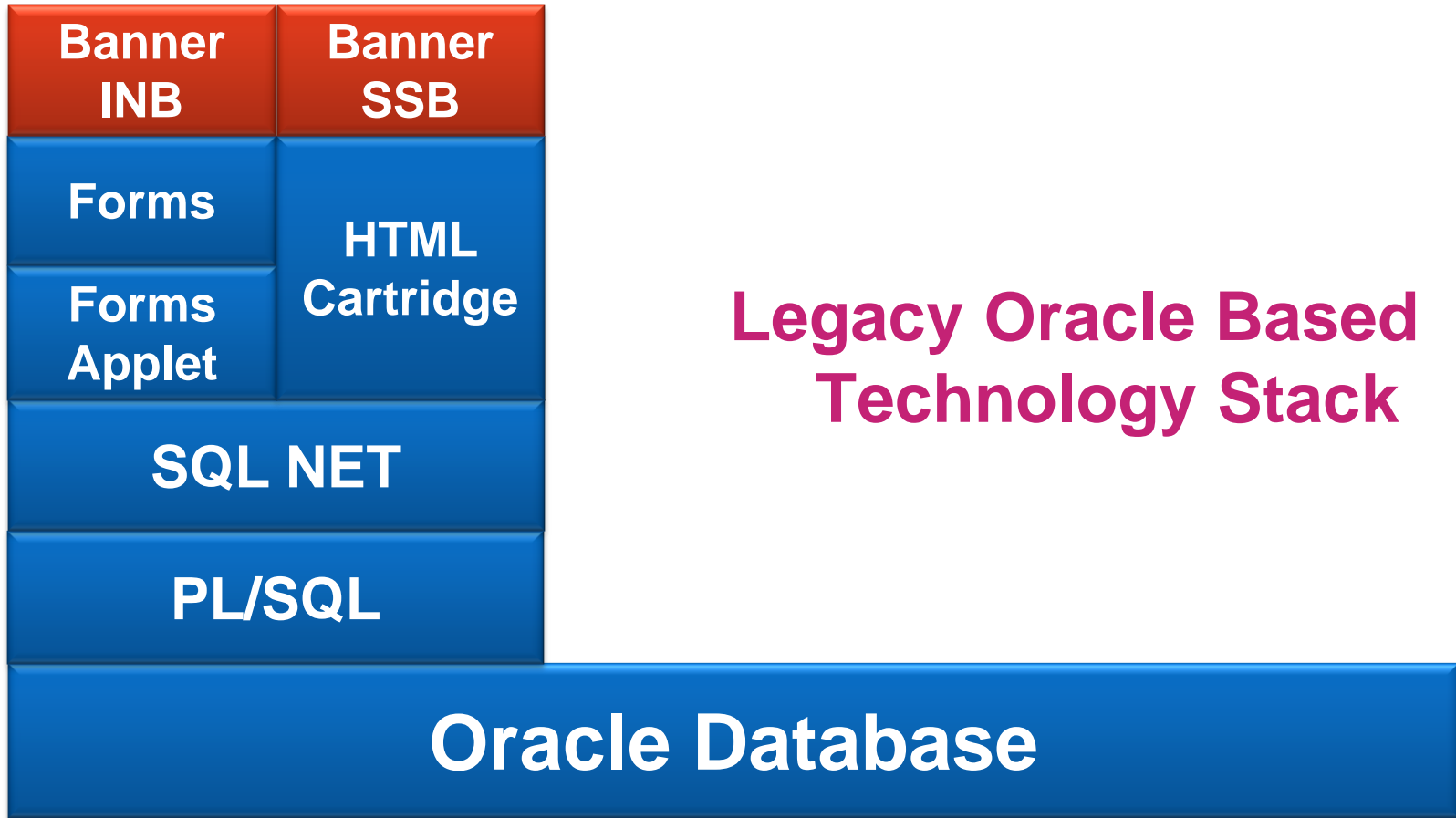
Legacy Oracle Based Technology Stack

Banner 8 Apps Built on Oracle Stack

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Migration from Legacy to New Architecture

Banner INB
Banner SSB

Forms
Forms Applet
HTML Cartridge

SQL NET

PL/SQL
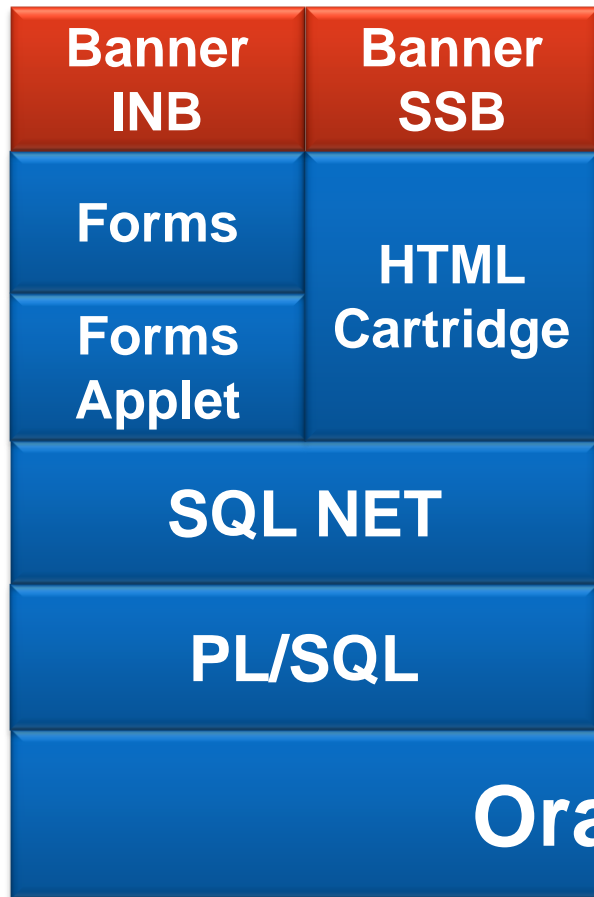
Grails Uses Groovy and Runs on the JVM

Banner Applications

Banner Components

Shared Services
Open Source
3rd Party Comp.

Java Technology

Grails Framework

Oracle Database

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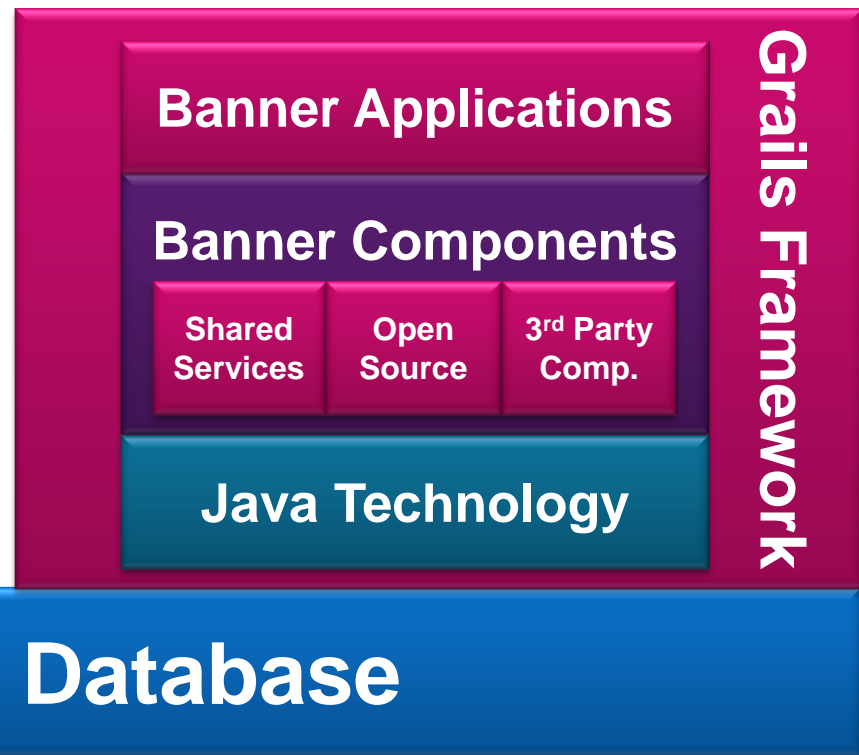
Migration from Legacy to New Architecture
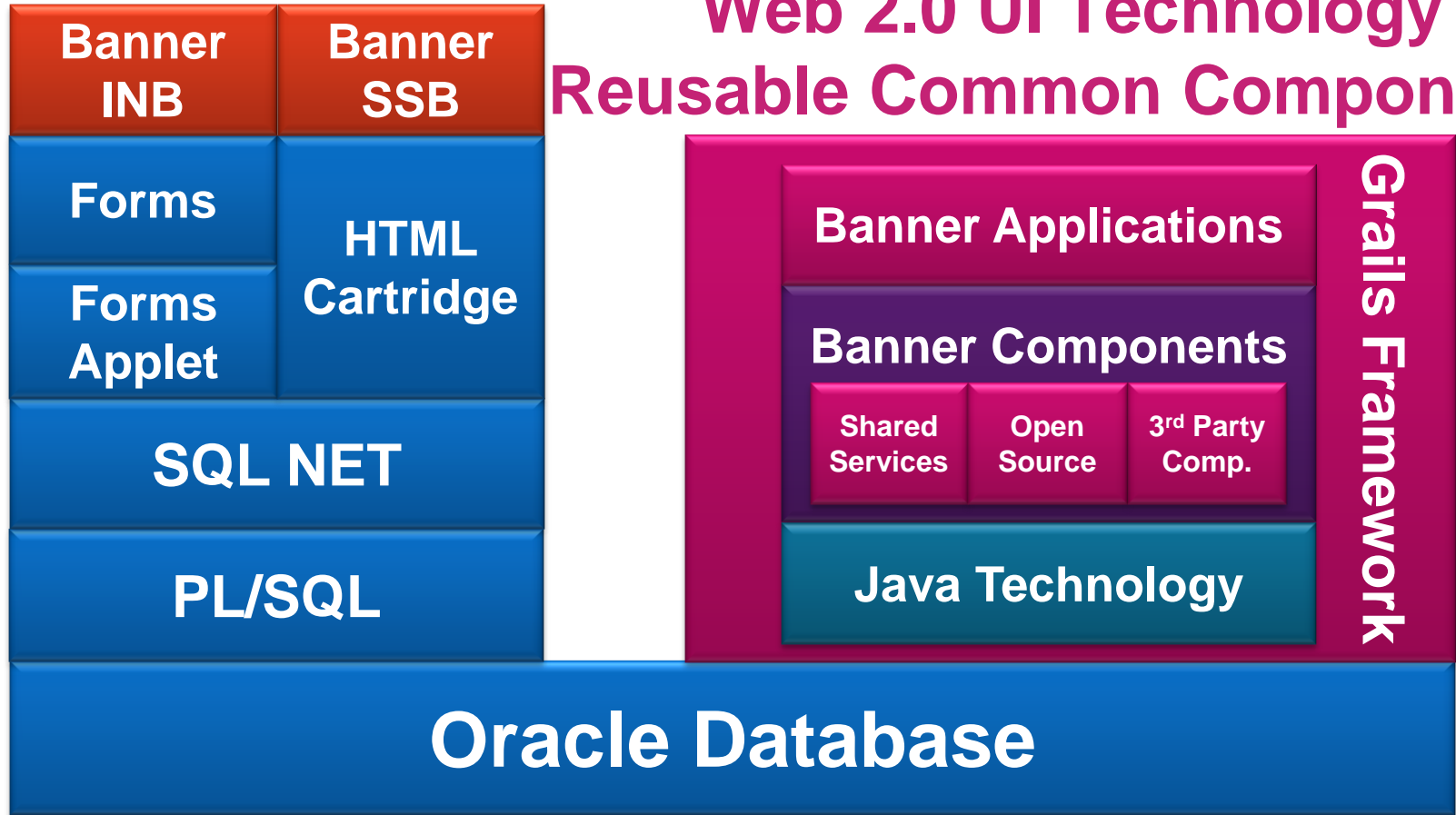
Web 2.0 UI Technology
Reusable Common Components
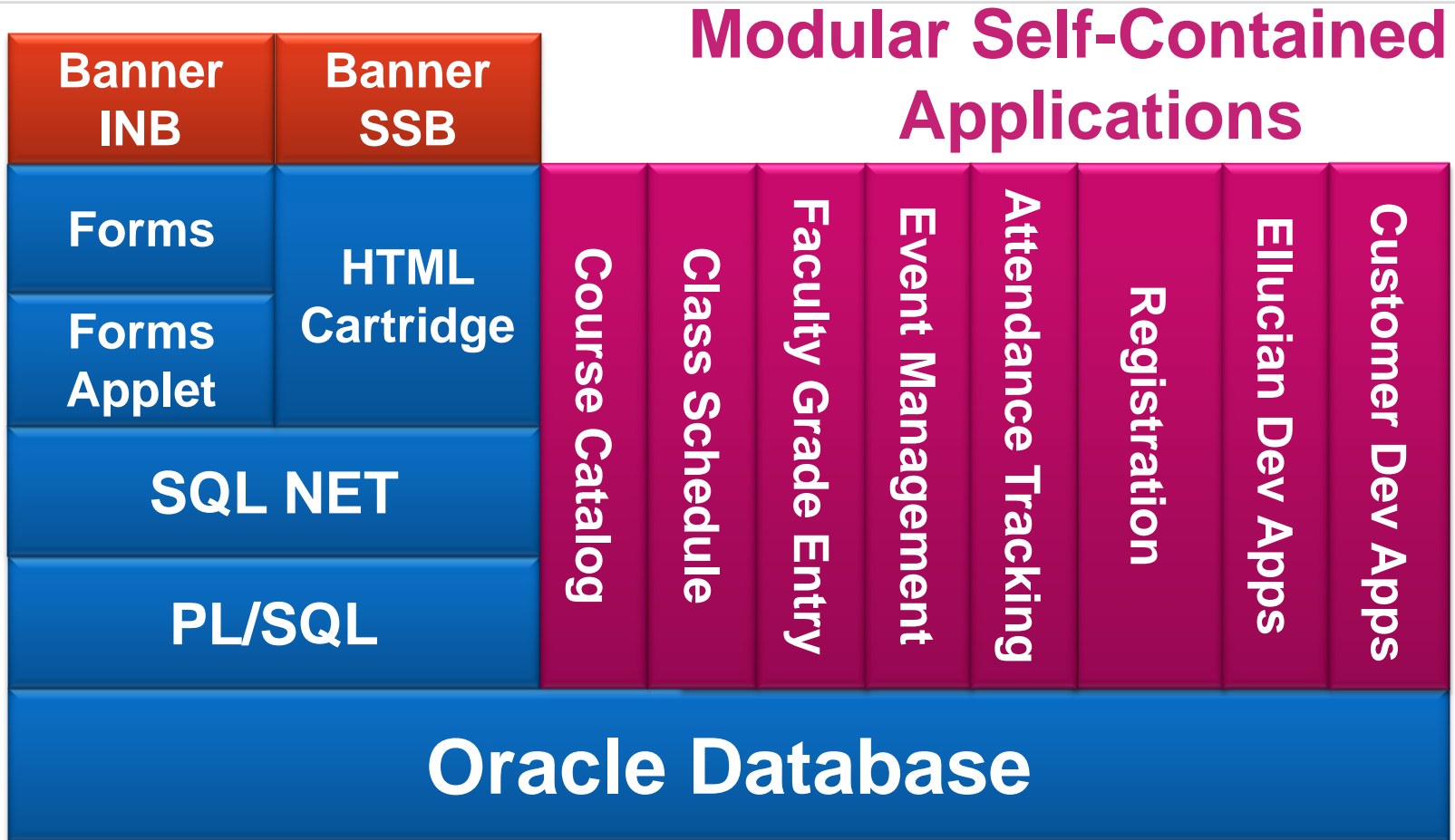
Banner INB | Banner SSB
Forms | HTML Cartridge
Forms Applet
SQL NET
PL/SQL
Oracle Database

Banner Applications
Banner Components
Shared Services | Open Source | 3rd Party Comp.
Java Technology
Grails Framework

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Migration from Legacy to New Architecture

Modular Self-Contained Applications

Banner INB	Banner SSB
Forms	HTML Cartridge
Forms Applet	
SQL NET	
PL/SQL	

Course Catalog · Class Schedule · Faculty Grade Entry · Event Management · Attendance Tracking · Registration · Ellucian Dev Apps · Customer Dev Apps

Oracle Database

Easier Upgrade

ellucian™ **Take Advantage of Technology Faster**

Banner XE Applications

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Banner XE is Available Today!

Catalog & Schedule – September 2011
- **Improved global user experience**

Faculty Grade Entry – January 2012
- **Improved grading tools help better serve students**

Attendance Tracking – September 2012
- **Record attendance on a learning event**
- **Complements Faculty Grade Entry**

Event Management - February 2012
- **More efficient registration and attendance**

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Banner XE Development Partners

Banner XE Development Partners

- Each XE project has a set of partners
- Assist the development teams:
  - Weekly calls
  - Requirements definition
  - Page design – wireframes
  - Process flow
  - Alpha testing
  - Controlled release testing – and adoption
- Critical to XE success!

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Catalog & Schedule Development Partners

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Faculty Grade Entry Development Partners

Kent State University · Auburn University · Georgetown University · University of Denver · University of Illinois Urbana-Champaign · Chicago · Springfield · Wayne State University · Texas Tech University · SUNY The State University of New York · SICAS · BCIT · Drexel University · University of Southampton · The University of Oklahoma · Smith College

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Attendance Tracking Development Partners

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Event Management Development Partners

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XE Early Adopters

- Liberty University – Catalog & Schedule
- Purdue University Main Campus
  - Faculty Grade Entry
- Shippensburg University of PA
  - Catalog and Scehdule
  - Faculty Grade Entry
- University of Oklahoma Norman Campus
  - Faculty Grade Entry

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Banner XE Applications in GA – Next Releases

Application	Key Deliverables	Target Timeline
Course Catalog 9.1.0.1	• Patch Release to fix key issues raised by Early Adopters	July 2013
Class Schedule 9.1.0.1	• Patch Release to fix key issues raised by Early Adopters	July 2013
Attendance Tracking 9.0.0.2	• Patch Release to fix key issues raised by Early Adopters	July 2013
Event Management 9.2	• Support for CAS in Event Admin • Performance Improvements for multiple functions	August 2013
FGE 9.2	• Focus on Grade Import/Export Performance Improvements and Defect Resolutions	August 2013
Catalog and Schedule 9.2	• Code in Git Repository • Performance and Memory Usage Improvements	Sep 2013
Attendance Tracking 9.1	• Migrate to latest Platform and address key open issues	Q4 2013

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XE Projects in Development

XE Projects in Development

- XE Registration
  - CR 1 – Q4 2013
  - GA – Q4 2014
- XE Admissions & Recruiting – Q4 2013
- XE Advising – Q4 2013
- XE Academic History – Q4 2014
- Banner Communications Management – Q2 2014

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XE Registration

Banner XE Registration Objectives

New Registration and Advising Experience

- Enhanced user experience
  - Students, Advisors and Administrators

Options for Multiple Registration Models

- Supports Search & Select, Block and Structured Registration

Incorporates Degree Planning Information

- Option to include CAPP or DegreeWorks data
  - As part of the registration planning process

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Advising and Registration Models

- New registration summary and calendar metaphor
- New Registration & Degree plan function
    - DegreeWorks Student Education Plans (SEP)
    - Registration – create term registration plans
        - Course or section
        - Create registration plan from DW SEP
    - Projected or suggested courses
        - Must write output to Ellucian web service and APIs
            - CAPP and Other degree audit systems
- Enhanced Block Registration
    - Structured blocks of classes defined by each customer
- Structured or Programme Based
    - UK, Ireland and Australian model
    - Compulsory modules are prescribed
    - Optional and Elective module choice

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REGISTER FOR CLASSES

| Find Classes | Enter CRNs | My Plans | Blocks | My Schedule and Options |

Search Results — 3 results out of 3.
Term: Fall 2013   Subjects: Management

[Search Again]

[Columns]

Title	Subject	Subject Description	Course	Section	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	
Managerial Philosophies	MGMT	Management	125	0	4	10015	Fall 2013	Terry Maris (Primary)	S M T W T F S 08 : 00 AM - 08 : 50 AM **Building:** Huber	Main	9 of 10 seats rem...	[Add]
Managerial Philosophies	MGMT	Management	125	1	4	10016	Fall 2013	William Laffey (Primary)	S M T W T F S 12 : 00 AM - 12 : 50 AM **Building:** Huber	Main	10 of 10 seats re...	[Add]
Managerial Philosophies	MGMT	Management	125	2	4	10019	Fall 2013	Brent P. Johnson (Primary)	S M T W T F S 08 : 00 AM - 08 : 50 AM **Building:** Dukes	Main	10 of 10 seats re...	[Add]

|◀ ◀ Page 1 of 1 ▶ ▶| Per Page 10 ▼

Records Found: 3

📅 Schedule   📋 Schedule Details

Class Schedule for Fall 2013

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
11am		✓ Weight Training		✓ Weight Training		✓ Weight Training	
12pm		✓ Managerial Philosophies		✓ Managerial Philosophies		✓ Managerial Philosophies	
1pm			✓ First Aid & Adult CPR		✓ First Aid & Adult CPR		
2pm		✓ Human Physiology		✓ Human Physiology		✓ Human Physiology	
3pm							
4pm							

📋 Summary

Title	Subject	Course Number	Section	Hours	CRN	Schedule Type	Status	Action
Managerial Philosophies	MGMT	125	1	4	10016	Lecture	Pending	Web Registered ▼
First Aid & Adult CPR	HP	171	1	4	10005	Lecture	Registered	None ▼
Human Physiology	HP	197	2	3	10003	Lecture	Registered	None ▼
Weight Training	HP	211	1	3	10008	Lecture	Registered	None ▼

Total Hours | **Registered:** 10.0 | **Billing:** 10.0

Require All Changes ☐   [Submit]

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🏠 | ▼ Banner Self-Service 〉 Student 〉 Registration 〉 Select a Term 〉 Register for Classes

REGISTER FOR CLASSES

| Find Classes | Enter CRNs | My Plans | Blocks | My Schedule and Options |

Save Successful

⊘ MGMT 125 CRN 10019: Duplicate Course with Section 10016

Search Results — 3 results out of 3.
Term: Fall 2013   Subjects: Management

Search Again

Columns

Title	Subject	Subject Description	Course	Section	Hours	CRN	Term	Instructor	Meeting Times	Campus	Status	
Managerial Philosophies	MGMT	Management	125	0	4	10015	Fall 2013	Terry Maris (Primary)	S M T W T F S 08 : 00 AM - 08 : 50 AM **Building:** Huber	Main	9 of 10 seats rem...	Add
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|◀ ◀ Page 1 of 1 ▶ ▶| Per Page 10 ▼   Records Found: 3

| 📅 Schedule | 📋 Schedule Details |

Class Schedule for Fall 2013

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8am		Managerial Philosophies		Managerial Philosophies		Managerial Philosophies	
9am							
10am							
11am		✔ Weight Training		✔ Weight Training		✔ Weight Training	
12pm		✔ Managerial Philosophies		✔ Managerial Philosophies		✔ Managerial Philosophies	
1pm			✔ First Aid & Adult CPR		✔ First Aid & Adult CPR		

📋 **Summary**

Title	Subject	Course Number	Section	Hours	CRN	Schedule Type	Status	Action
❗ Managerial Philos...	MGMT	125	2	4	10019	Lecture	Errors Preventin...	Remove ▼
Managerial Philosophies	MGMT	125	1	4	10016	Lecture	Registered	None ▼
First Aid & Adult CPR	HP	171	1	4	10005	Lecture	Registered	None ▼
Human Physiology	HP	197	2	3	10003	Lecture	Registered	None ▼
Weight Training	HP	211	1	3	10008	Lecture	Registered	None ▼

Total Hours | **Registered:** 14 | **Billing:** 14

Require All Changes ☐   Submit
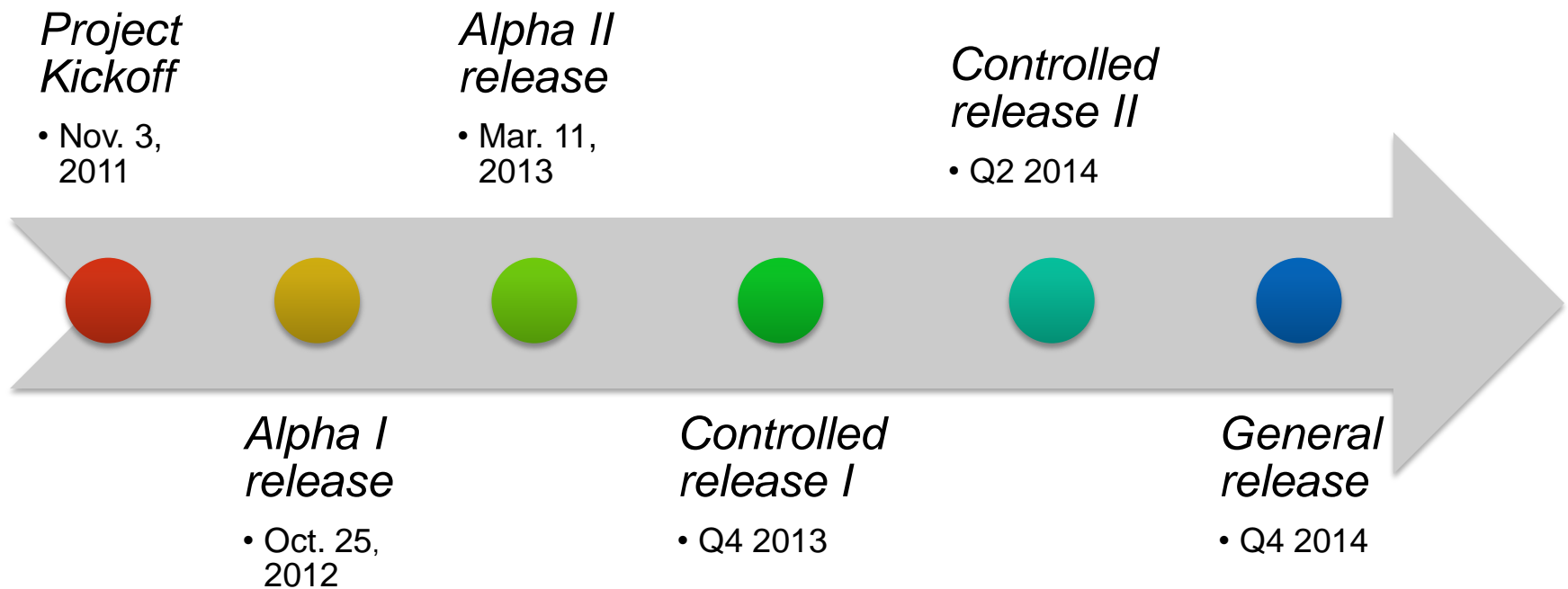
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What's Changing

- All registration related administrative forms
- All registration related SSB
  - Students and advisors
- New student & advisor pages
- New administrative pages
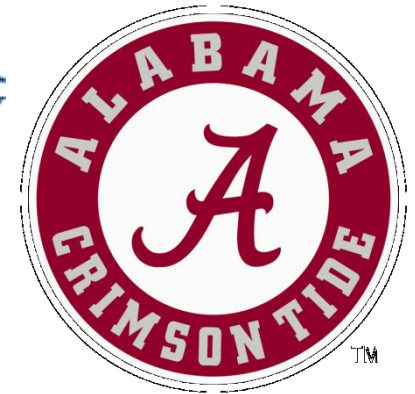 - Support advising and new registration models

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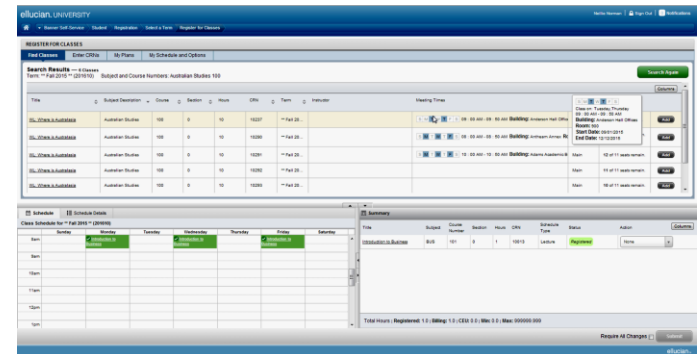
XE Registration Timeline

Project Kickoff
- Nov. 3, 2011

Alpha I release
- Oct. 25, 2012

Alpha II release
- Mar. 11, 2013

Controlled release I
- Q4 2013

Controlled release II
- Q2 2014

General release
- Q4 2014

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Persona Focus

- ## Students first
  - ### Alpha I, Alpha II, Controlled release I
- ## Advisors and Administrators next
  - ### Controlled Release II – Q1 2014
  - ### General Release – Q4 2014

Project Kickoff
• Nov. 3, 2011

Alpha II release
• Mar. 11, 2013

Controlled release II
• Q2 2014

Alpha I release
• Oct. 25, 2012

Controlled release I
• Q4 2013

General release
• Q4 2014

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XE Registration Development Partners

TEXAS TECH UNIVERSITY

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER™

Florida Keys Community College
Island Living, Island Learning

KENT STATE UNIVERSITY

Georgetown UNIVERSITY

ALABAMA CRIMSON TIDE™

UNIVERSITY OF LEEDS

CENTENNIAL COLLEGE

UNIVERSITY of DAYTON

ICTI Institutes of Technology Ireland

1864 UNIVERSITY of DENVER

Universidad de los Andes
Colombia

PURDUE UNIVERSITY

The UNIVERSITY of OKLAHOMA

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Questions & Answers

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Other XE Projects in Development

Admissions & Recruiting - Multiple Phases

Phase I – Q4 2013		Phase II – Q2 2014
Expanded data	Forms Conversion General Person, Recruiting, Admissions	Enhanced rules processing in ratings, decisions and confirmations
Single customizable tool for data exchange	Enhance the User Experience through the new XE look and improved process flow	Enhanced Checklist rules and functionality

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Admissions/Recruiting Development Partners

Advisor Self Service

Purpose:
- Enable Advisors, Tutors, Mentors, AND Students to view (phase one) and work with (phase two) a profile of key institutional information to inform the best decisions and directions possible.

Status:
- Kicked off in April 2013
- Development Partner Group formed.

Deliverables
- Advising Roster, with key student data available at first glance
- Student profile with 2 dozen default data elements
- Step one in rationalizing the notes/comments/interactions functionality

Time Frame
- Alpha – Sept. 2013
- Controlled Release – Oct. 2013
- GA – November 30, 2013

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Advisor Self Service Development Partners

Academic History – Phase 1 – Started in May

Academic History 9.0 – Beta (Controlled Release) - Jun 2014

- Forms conversion for the administrative processes and any related Self Service functionality for 'End of Term' processing
  - Grades and Grading
  - Roll to Academic History and Grade Maintenance
  - Repeat Processing
  - GPA Calculation
  - Academic Progress
  - Transcript requests
                         &
  - Academic Standing

Global

- Enhanced Electronic Grade Book - ESC

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Academic History – Phase 2

Academic History 9.0 – GA (scheduled for Dec 2014)

- Forms conversion for the administrative processes and any related Self Service functionality for 'End of Term' processing
  - Graduation Processing
  - Graduation Ceremonies
  - Awarding Degree

Banner Communication Management

Purpose

- Enable tactical and operational communications associated with administration functions

Status:

- Kicking off in August 2013
- Development Partner selection in July 2013

Preliminary Scope

- Multi Channel Communication with Students
- Ability to communicate with other constituents (Faculty, Parents, Administrators)
- Communication Capability in XE Technology

Technical Approach

- UI and Usability Improvements consistent with Banner XE
- Security/IDM/I18N infrastructure that is consistent with Banner XE
- Common table naming conventions and other protocols consistent with Banner Student XE
- MEP support

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APIs

- APIs are delivered as RESTful Web Service

- Process will start by exposing the APIs for delivered XE applications

- Provide institutional developers with developers guide and standards to develop and support APIs

	USABILITY	FEATURES/ FUNCTION	SINGLE GLOBAL PRODUCT	CONFIGURABILITY & EXTENSIBILITY	SCALABILITY	CLOUD DELIVERY
Person Identification			X	X		X
Advising Roster			X	X		X
Submit Grades			X	X		X
Student Info - Academic			X	X		X
Student Info - Registration			X	X		X
Course Catalog			X	X		X
Class Schedule			X	X		X

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Banner XE Configurability & Extensibility

Customization
- **Application Skinning**
- **Changing Text & Labels**
- **Data Masking & Supplemental Data Engine**

Extension
- **Adding or Removing a Field (UI and Model)**
- **Augmenting Business Logic**
- **Changing Business Rules**

Modification
- **Accessing Git repositories**
- **Using modern development practices**
- **Using Banner XE Platform**

Integration
- **Framework plugins**
- **SSO**
- **Menu Integration**

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Banner by Ellucian Alive and Well

"Making sure Banner 8 is supported for a long time because most clients don't have the budget or human resources to upgrade to 9 especially since the upgrade involves fundamental changes in technology."

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Student Success

Ellucian Student Success Framework

- Predictive Indicators
- Early course struggles
- Interaction on campus
- Financial struggles
- General engagement

- Campaigns
- Alerting faculty/staff
- Feedback to students
- Process best practices
- Configurable Dashboards

Detection

Engagement

Reducing Friction

Student Success
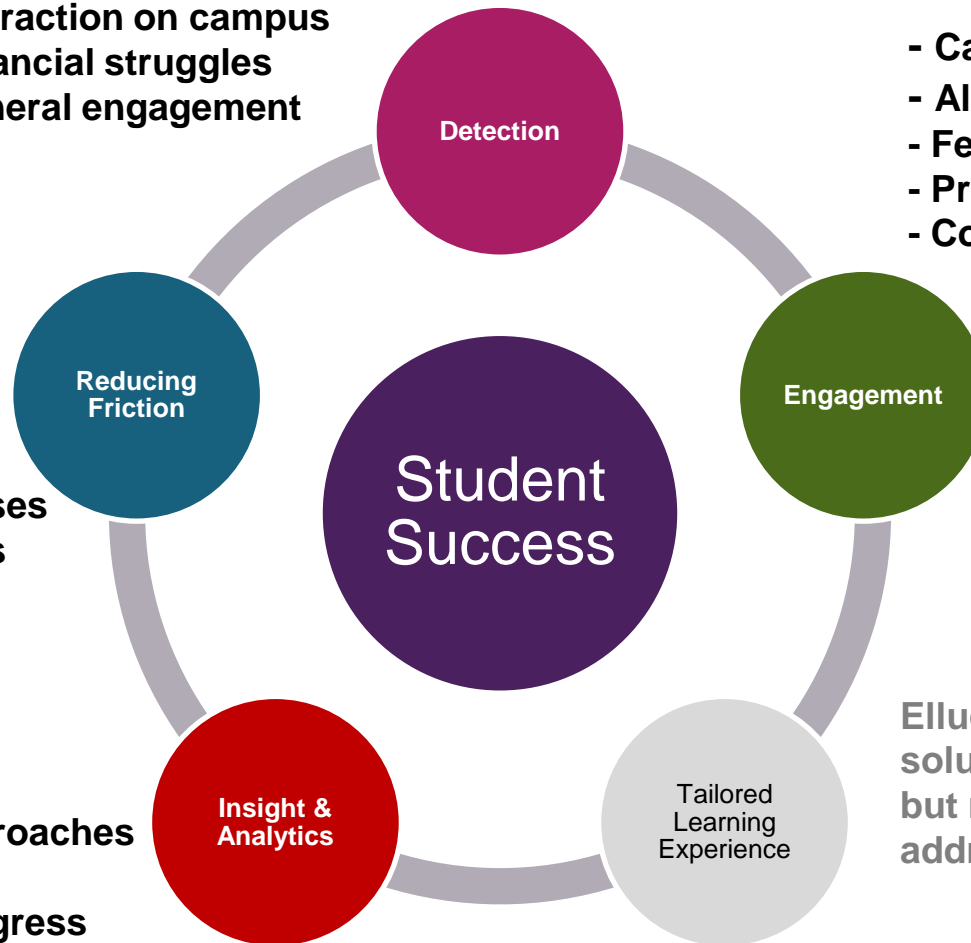
- Class availability
- Schedule planning
- Degree progress
- Registering for courses
- Engaging on campus

Tailored Learning Experience

Insight & Analytics

- Predictive Analytics
- Look for patterns
- Effectiveness of approaches
- Comparison metrics
- Transparency of progress

Ellucian does not provide solutions in this area today but may bring partners to address this area

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Student Success Core Design Summary

Indicator Categories	Analysis/Interpretation	Action/Engagement

Historic Predictors
- Academic Potential
- Demographic
- Socio-economic

Engagement
- Course effort
- Extra-curricular
- Advising

Financial
- Financial Aid
- Payments

Academic
- Grades
- Enrollment Status
- Degree Progress

Behavioral
- Incident Reports

Weighted

Scored

Historic Comparison

Peer Comparison

Binary Indicator

Communication

Workflow

Alert

Campaign

Additional Analysis

Peer/Cohort comparison

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Student Success Dashboards

Summary

Where to learn more about Banner XE

- Visit the Banner Commons
  - Evolving to Banner XE page
    - Read the FAQs
    - Functional and technical webinars
    - Explore the Banner XE digital shorts
- Product Roadmaps
  - Ellucian.com/roadmaps

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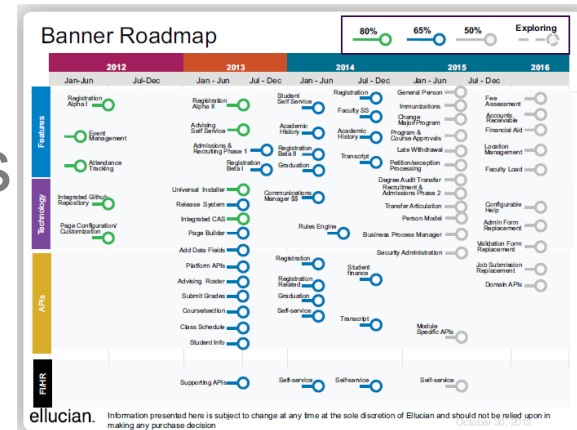
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Driving Your Course to Banner XE

- READY
  - Visit **Evolving to Banner XE** on Commons for information what has already been delivered
- SET
  - Put Together Your Banner XE Project Plan
- GO
  - Get Involved with Banner XE

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July 11, 2013

Q & A

ed.hauser@ellucian.com

Education Services

Ellucian On-Demand Subscription Library

Technical Training Week
Jamie Chambron
*Vice President * Management Consulting & Education Services*

The Importance of Continuing ERP Education

"**ERP systems constantly change** due to upgrades, additional features, or addition of new functionalities. In addition, **knowledge leakage due to employee attrition can be as high as 25% in any given year**. Consequently, **ERP training is an ongoing business requirement and not a one-time event**. Best practices suggest **providing recurring refresher training to all system users**. Also, **to ensure ongoing knowledge retention**, many of our clients make the successful completion of appropriate training courses **part of the employees' annual performance evaluation**."

Learning Solutions Magazine
5 Tips for a Successful ERP Training Program

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Training is Becoming Difficult!

- We can't travel to attend training classes.

- We can't afford to be tied up in training classes for long periods of time.

- We need on-demand, just in time knowledge to increase efficiency and productivity.

- We need a quicker way to bring new employees up to speed.

- We need to equip our experienced users with tools for augmenting their expertise.

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The Ellucian On-Demand Subscription Library 24x7 eLearning on Ellucian Solutions

- Features
    - Access Anytime and Anywhere
    - Updated Continually
- Employee View
    - Be More Efficient by Staying Continuously Trained on Solution Functionality
    - Reduce Time Away from Day Job by Consuming Short Snippets of Education (20 minutes average) versus Days of Training
    - Access Training Just in Time to Do Something Different
- Manager/Institution View
    - Bring New Employees Up to Speed Quickly on Ellucian Systems
    - Track Employee Progress and Completion of Training
    - Enable Schools to Stay Current on Ellucian Solutions and Avoid the "Value Gap"
    - Provide Cost Effective End User Training
- Free up time for IT to focus on technology management not end user training

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Ellucian On-Demand Subscription Library

- Subscription-based library of eLearning courses available to your institution's entire staff

- Primarily video-based training averaging 20 minutes per course

- Over 4,000 courses across 5 course collections… and growing monthly

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Ellucian On-Demand Subscription Library

Recorded Demo @ http://www.ellucian.com/educationservices/
For live demo or trial account contact edservices@ellucian.com

Technical Training Week
Sept. 30 – Oct. 3, Reston VA

	Banner System Admin I	Banner System Admin II	Banner XE Programming and Development	Luminis Portal	Identity Management Using BEIS	Technology Management and Strategy
	REGISTRATION OPEN					
	Monday	**Monday**	**Monday**	**Monday**	**Monday**	**Monday**
8:30 AM	**Opening session and morning break**	**Opening session and morning break**	**Opening session and morning break**	**Opening session and morning break (15 mins)**	**Opening session and morning break (15 mins)**	**Opening session and morning break (15 mins)**
10:00 AM	Installing and Configuring the Web Logic Server	Preparing for a Banner XE Install	Modifying Banner XE Code	Luminis Roadmap and Luminis 5.1 Overview	An Overview of Banner Identity Management	Improving Operational Efficiency Through Business Process Revitalization
1:30 PM	Installing and Configuring the Web Logic Server (cont.)	Preparing for a Banner XE Install (cont.)	Modifying Banner XE Code (cont.)	Enabling Single Sign-On for Lumnis	An Overview of Outbound and Inbound Provisioning	Improving Operational Efficiency (cont.)
	Tuesday	**Tuesday**	**Tuesday**	**Tuesday**	**Tuesday**	**Tuesday**
8:30 AM	Installing and Configuring the Web Logic Server (cont.)	Installing and Configuring the Web Logic Server	Modifying Banner XE Code	Integrating Banner Data with Luminis	Installing and Configuring BEIS for Outbound Provisioning	Transforming Higher Education through Technology
10:15AM	Get Ready for Groovy Grails	cont.	cont.	cont.	cont.	Roundtable Discussion
1:30 PM	Installing, Configuring, and Administering the Git Repository Server	Installing and Configuring the Web Logic Server (cont.)	Modifying Banner XE Code (cont.)	Moving from Luminis 4.0 to 5.04	Installing and Configuring BEIS for Inbound Provisioning	IT Governance: Roundtable Discussion
	Wednesday	**Wednesday**	**Wednesday**	**Wednesday**	**Wednesday**	**Wednesday**
8:30 AM	Installing, Configuring, and Administering the Ellucian Solution Manager	Installing and Deploying a Banner XE Application	Modifying Banner XE Code (cont.)	Developing Portlets	An Overview of Single Sign-On for INB and SSB	Using Analytics and Scorecards to Support Institutional Outcomes
10:15 AM	cont.	cont.	Cont.	Cont.	Installing and Configuring Single Sign-On for INB and SSB	Cont.
1:30 PM	Installing, Configuring, and Administering the Ellucian Solution Manager (cont.)	Installing and Deploying a Banner XE Application (cont.)	Modifying Banner XE Code (cont.)	Developing Portlets (cont.)	Installing and Configuring Single Sign-On for INB and SSB (cont.)	Using the Cloud, MEP , and Shared Services to Resolve Institutional Challenges
	Thursday	**Thursday**	**Thursday**	**Thursday**	**Thursday**	**Thursday**
8:30 AM	Tuning Your Banner Environment	Enabling Single Sign-On with Banner 8x and Banner XE	Modifying Banner XE Code (cont.)	Developing a Portlet (cont.)	Installing and Configuring Single Sign-On for INB and SSB (cont.)	Developing the IT Organization: Identifying Skill and Knowledge Gaps within Your IT Organization
11:00 AM				Luminis Performance Testing		
12:00 PM	**TTW Ends**	**TTW Ends**	**TTW Ends**	**TTW Ends**	**TTW Ends**	**TTW Ends**

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Thank You!

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http://www.ellucian.com/educationservices/

Email edservices@ellucian.com for Demo Account or More Information