

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|----------------------------|---|--|
| Communication Tools | | |
| Announcements | <ul style="list-style-type: none"> • Can be emailed to course participants • Permanent or temporal display | <ul style="list-style-type: none"> • Commenting enabled; can be linked to a Discussion thread • |
| Web Conferencing/Chat | <ul style="list-style-type: none"> • Real---time audio/video • Public/Private chat • Upload presentations • Share presenter’s screen <p>*Blackboard Collaborate available through recent Summer 2015 upgrade but not presently turned because of training and space concerns.</p> <p>*Web Conferencing/Chat available for free through CCC Confer website for all faculty and staff. CCC Confer is Bb Collaborate</p> | <ul style="list-style-type: none"> • Real---time audio/video • Public/Private chat • Upload presentations • Share presenter’s screen <p>Web Conferencing tool is through an open source plugin – Big Blue button. Although tool is integrated recorded sessions are only kept for 2 weeks then deleted by system. If it needs to be kept longer then a contract through a Big Blue button provider may be necessary.</p> |
| Email/Course Messages | <ul style="list-style-type: none"> • Send email (broadcasts to mailboxes external to Blackboard) • Messages (hosts communication internal to Blackboard course space) | <ul style="list-style-type: none"> • Access Discussion responses |
| Groups | <ul style="list-style-type: none"> • Create groups with selective membership or self-enroll options | <ul style="list-style-type: none"> • Automatically connects students for group activities |
| Discussion Boards/Forums | <ul style="list-style-type: none"> • Instructor participation enabled • Can be threaded • Keyword Search • Can moderate posts/forums | <ul style="list-style-type: none"> • Instructor participation disabled • Linked with Announcements • Can be threaded • No Keyword Search |
| Journals/Blogs/Wikis | <ul style="list-style-type: none"> • Has Blog tool • Has Journal Tool • Has Wiki Tool | <ul style="list-style-type: none"> • Has a Wiki Tool • Does not have a Blog tool • Does not have a journal tool |
| Notifications/Dashboard | <ul style="list-style-type: none"> • User controls where and how often notifications are received • Displays list of all courses in which user has a role • User controls other information | <ul style="list-style-type: none"> • User controls where and how often notifications are received • Contains an overview of all courses in which the user has a role • Includes communications feed and recent activities |

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|--|---|--|
| Content Organization/Management | | |
| Files/Content Collection | <ul style="list-style-type: none"> • WebDAV client to upload and download files • Personal file space and content folders associated with each Blackboard space | <ul style="list-style-type: none"> • Branched folder organization • Drag/drop files from local computer to file manager • Drag/drop files to reorder • Zip/unzip packages |
| Course Documents/Modules | <ul style="list-style-type: none"> • Set content release requirements • Visual Text Box Editor enables item annotation and file attachments • Organize content in folders • Add text, video, file links, etc. | <ul style="list-style-type: none"> • Drag/drop to order modules/content • Set prerequisites, completion requirements • Date controllable • Create “items” • Add text, video, file links, etc. |
| Course Size/File Limits | | |
| Course Design | <ul style="list-style-type: none"> • Able to customize menu and folders | <ul style="list-style-type: none"> • Not able to add menus • |
| | | |
| | | |
| | | |
| | | |

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|-------------------------|--|--|
| Assessment | | |
| Assignments | <ul style="list-style-type: none"> • Online submission • Graded & ungraded items • Assign groups for Assignments | <ul style="list-style-type: none"> • Online submission • Graded items • “Assignments” = graded tasks |
| Grades/Grade Center | <ul style="list-style-type: none"> • Columns created by Assignments • Manual column creation • Downloadable submissions • Inline grading | <ul style="list-style-type: none"> • Columns created by Assignments • Calculate hypothetical grades • Sort by due date/assignment • Download submissions |
| Outcomes/Course Reports | <ul style="list-style-type: none"> • Reports to instructors and administrators | <ul style="list-style-type: none"> • Reports to instructors and administrators |
| Tests/Quizzes/Surveys | <ul style="list-style-type: none"> • Add images/html to | <ul style="list-style-type: none"> • All quiz options are on the same page as you are creating the quiz |

| | | |
|---------------------------|---|---|
| | <ul style="list-style-type: none"> • questions/answers/distracters • Copy questions • Able to regrade tests • Constraints on when grades/feedback are shown to students | <ul style="list-style-type: none"> • Cannot copy questions |
| Rubrics | <ul style="list-style-type: none"> • Can use rubrics for online assessment | <ul style="list-style-type: none"> • Can use rubrics for online assessment |
| Grader/ Inline Grading | <ul style="list-style-type: none"> • | <ul style="list-style-type: none"> • |
| Mapping Learning Outcomes | | |
| Plagiarism Tool | <ul style="list-style-type: none"> • Has built in plagiarism tool (SafeAssign). SafeAssign is currently not turned on as the district is paying for Turnitin | <ul style="list-style-type: none"> • Does not have a plagiarism tool |

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|---|--|---|
| Course Administration/Organization | | |
| Calendar | <ul style="list-style-type: none"> • Stand alone, does not map to other tools in course space | <ul style="list-style-type: none"> • Drag/drop to change dates • Date changes automatically applied throughout course • Color---coded global calendar view • Updates to Assignments, Syllabus, or Calendar are integrated with each other |
| Course Availability/Publishing | <ul style="list-style-type: none"> • Instructor can toggle between making a course available or unavailable to students | <ul style="list-style-type: none"> • Once instructor “publishes” a course, it is visible to students (and the action cannot be undone) |
| Course Reports | <ul style="list-style-type: none"> • Course reports are available by instructor on activity, risk factors, and access • Course reports do not measure activity if student access course through mobile device • Reports are available to view/download as HTML or PDF | <ul style="list-style-type: none"> • Course reports are available by instructor on activity, risk factors, and access • Course reports do not measure activity if student access course through mobile device |
| Importing/Exporting | | |
| | | |
| | | |
| | | |

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|---|--|---|
| System Administration | | |
| Authentication | • | • |
| Third-Party Integration/Building Blocks | • Supports publisher content including McGraw Hill, MyLab, Pearsons | • Supports publisher content including McGraw Hill, MyLab, Pearsons |
| SIS Integration | • | • |
| Organizations | • Licensing include the use of Community which allows for organizational shells and LMS customizations based on roles and permissions. | • No separate area for non-course related use of LMS |
| Permissions/Roles for Users | | |
| Permissions at Course Levels | | |
| GUI Customizations | | |
| System Reports/Analytics | | |
| Course Merges | | |
| Backup/Archiving of Courses | | |
| | | |
| | | |

| Features | Blackboard Ultra/ Bb 9.1 | Canvas |
|---------------------------|--|--|
| Mobile | | |
| Types of Mobile Apps | <ul style="list-style-type: none"> • Bb Mobile Learn (ios and android) – For instructors and Students to view, access, and upload content. • Bb Grader (ios only) – For instructors to grade assessments • New mobile apps for ios and android will be available in 2016 Bb students for students only and Bb instructor. | <ul style="list-style-type: none"> • Canvas (ios and android)- For instructors and Students to view, access, and upload content. • Speedgrader (ios and android) – For instructors to grade assessments • |
| Accessing Course material | • | • |
| Submitting Assignments | • | • |
| Tests/Surveys | • Can only take mobile-ready test which are deployed by instructors | • |
| Costs | • PLEASE NOTE: COSTS COMPARISONS is based on | • PLEASE NOTE: COSTS COMPARISONS is based on |

information currently available from vendor and are estimates.

- Blackboard licensing is negotiated through the State Chancellor’s office. Blackboard hosting is priced directly with Blackboard.
- Licensing includes Bb Course Delivery, Community Module, and Mobile App)
- Hosting includes Managed Hosting Services, additional 500GB of storage (for a total of 1TB), and increased bandwidth tier. Storage allocations (to courses and user) is managed locally through admin panel. SaaS hosting environment is available and may improve system performance and limited downtime.
- Current Pricing for AY16-17 and AY 17-18 is \$101,000 per year which is inclusive of both licensing (apprx \$48K/year) and hosting (approx \$53K/year). NOTE: There is no price increase for going from a managed hosting environment to a SaaS hosting environment.
- NOTE: District has a separate contract for campus Help Desk call center.

information currently available from vendor and are estimates.

- Canvas licensing and hosting is negotiated through the State Chancellor’s office. NOTE that the pricing estimates are based on the District adopting Canvas without the colleges joining the OEI consortium. If the colleges join the OEI consortium then the cost of Canvas would be paid through the OEI grant through the 2019 AY. Afterwhich, there is no guarantee of how the costs would be shared or paid through the State.
- Licensing includes Canvas LMS and Mobile App.
- Hosting includes SaaS Hosting Services. Users are automatically allocated 500MB of storage. Total storage for the district is based on FTES
- Contract pricing based on OEI contract would be approx. \$132,000 the first year with an anticipated 3% increase each year. Purchasing additional space would be approx. \$0.50/FTE/500MB.
- Helpdesk would be invoiced by the minute based on the OEI contract. A very rough estimate would be approx. \$21,000 for a campus our size for daytime and weekend coverage. The helpdesk would only cover Canvas related issues.

| Blackboard Hosting and Help Desk | FY 2016-2017 | FY 2017-2018 | FY 2018-2019 | FY 2019-2020 |
|---|---------------------|---------------------|---------------------|---------------------|
| Blackboard Hosting & Licensing (current contract) | \$ 101,000 | \$ 101,000 | | |
| Blackboard Hosting & Licensing (based on previous contract) | | | \$ 203,724 | \$ 203,724 |
| Help Desk - contracted services | \$ 260,000 | \$ 260,000 | \$ 260,000 | \$ 260,000 |
| TOTAL | \$ 361,000 | \$ 361,000 | \$ 463,724 | \$ 463,724 |

We currently have a 2 year contract for Blackboard through FY 2017-2018

| Canvas Hosting and Help Desk | FY 2016-2017 | FY 2017-2018 | FY 2018-2019 | FY 2019-2020 |
|---|--------------|--------------|-------------------|-------------------|
| Canvas Hosting & Licensing (based on current OEI contract)* | | | \$ 140,039 | \$ 144,240 |
| Canvas HelpDesk | | | \$ 21,000 | \$ 21,000 |
| Bring Help Desk In House (Personnel and Software)** | | | \$ 239,600 | \$ 239,600 |
| TOTAL | \$ - | \$ - | \$ 400,639 | \$ 404,840 |

*assuming 100% cost for District

**31% benefits

Scenario #1 (Keep Bb Hosting and Help Desk): Annual Cost = \$463,724

Scenario #2 (Canvas Hosting and Help Desk In - House) w/Assumption State will pay for on-going Canvas Hosting and Licensing: Potential annual Savings = (\$203,724) + (\$260,000-\$239,600- \$21,000) = \$201,124

Scenario #3 (Canvas Hosting and Help Desk In - House) w/Assumption District pays 100% Canvas Hosting and Licensing: Potential Savings = (\$203,724-140,039) + (\$260,000-\$239,600-\$21,000) = \$63,085

Above costs only considers hardware/software/personnel known infrastructure costs. It does not consider time nor personnel resources (including external contracts and training) that may be needed for migration or on-going support of campus after potential migration to Canvas.

Other considerations:

15 - month implementation for Canvas migration: <https://ccconlineed.instructure.com/courses/90/pages/implementation-guide>

- October 2016 Canvas implementation Start Date and by December 2017 the conversion is completed. Faculty starts teaching on Canvas in Spring 2018.
- Training of Faculty on Canvas (Estimated 40 Hours based on @One's Intro to Teaching with Canvas)
- Training of Faculty on Accessibility (Estimated 40 Hours based on @One's Creating Accessible Online Courses) and
- Training of Faculty on Course Design Quality (Estimated 120 Hours based on @One's Online Education Standards & Practices)

Other resources are available on the TESS website

([http://tess.sbccd.org/Faculty/Help and Resources/Learning Management Systems/OEI Update and FAQs](http://tess.sbccd.org/Faculty/Help%20and%20Resources/Learning%20Management%20Systems/OEI%20Update%20and%20FAQs)) including:

- Canvas demos
- CHC Blackboard Regional Event
- OEI Rubric
- Canvas guides and how to sign up for the 14-day trial