REQUEST FOR INFORMATION: ADAPTIVE LEARNING COURSEWARES

[INSERT CONTACT PERSON or INSTITUTION]
PROVIDER INFORMATION

Please provide the requested identifying information:

Company Name:

Product:

Your Name:

Your Title:

Preferred Email:

Preferred Phone:
COURSEWARE AVAILABILITY

Of the following courses, for which do you have courseware? Please select all that apply.

☐ ________________________________
☐ ________________________________
☐ ________________________________
☐ ________________________________

For those courses for which you have available courseware, is the courseware available now? If not, when would be the estimated time of delivery?

☐ Available Now
☐ Courseware will be available in: ____________________

If you do not have available courseware for one (or more) of the courses listed above, what is the typical timeframe for development and delivery of a new courseware?

Do you have the resources (staff, time) to take on developmental projects at this time?

☐ Yes. If yes, please explain how you are equipped to take on developmental projects:
   ________________________________

☐ No
If you offer a courseware in [Course Name], please identify the content source (textbook, open educational resources, etc.) for your courseware.

- Content Source(s): ____________________
- Currently No Available Courseware

If you offer a courseware in [Course Name], please identify the content source (textbook, open educational resources, etc.) for your courseware.

- Content Source(s): ____________________
- Currently No Available Courseware

If you offer a courseware in [Course Name], please identify the content source (textbook, open educational resources, etc.) for your courseware.

- Content Source(s): ____________________
- Currently No Available Courseware

If you offer a courseware in [Course Name], please identify the content source (textbook, open educational resources, etc.) for your courseware.

- Content Source(s): ____________________
- Currently No Available Courseware
QUALITY OF COURSEWARE

What are the academic credentials of the authors and content creators used in your coursewares?

What are the academic credentials of the designers of the adaptive learning software?

Many publisher’s supplemental materials (such as test banks) are so poor that they are not usable. Why is your adaptive piece going to be better?

Have the authors and designers actually used the software in courses themselves? If so, please explain:

☐ Yes. (Please provide explanation in space provided).

☐ No

Please describe your quality assurance process:
ADAPTIVITY


**Adaptive Learning Systems: Surviving the Storm**

- Machine-Learning-Based Adaptive System
- Advanced Algorithm Adaptive System
- Rules-Based Adaptive System
- Decision Tree Adaptive System

Does the courseware adapt the presentation of content based on learner-declared goals?

- Yes. *If you answer yes, please describe how your product is adaptive by this measure:*  
  __________________________

- No

Does the courseware adapt the complexity or presentation of content based on a learner pre-test?

- Yes. *If you answer yes, please describe how your product is adaptive by this measure:*  
  __________________________

- No

Does the courseware adapt the complexity or presentation of content based on a learner’s affective state (confidence indicator)?

- Yes. *If you answer yes, please describe how your product is adaptive by this measure:*  
  __________________________

- No
Does the courseware adapt the scope of instruction (breadth and depth of content) based on more inputs than a single correct response to the previous item or activity?

- Yes. If you answer yes, please describe how your product is adaptive by this measure: ______________________
- No

Can educators or course designers override or change the parameters of adaptive protocols?

- Yes. If you answer yes, please describe how your product is adaptive by this measure: ______________________
- No

Other than the above listed measures, please explain how your product is adaptive:

Which adaptive courseware platforms do you consider to be your closest competitors?

With respect to adaptivity, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
COLLABORATION

Are learners prompted to act as a tutor or mentor?

- Yes. If you answer yes, please describe how your product is adaptive by this measure:
  ______________________

- No

Can learners interact with peers during learning activities?

- Yes. If you answer yes, please describe how your product is adaptive by this measure:
  ______________________

- No

Are learners prompted to provide or receive feedback on or from peers?

- Yes. If you answer yes, please describe how your product is adaptive by this measure:
  ______________________

- No

Can educators or mentors and learners initiate contact with one another within the courseware interface?

- Yes. If you answer yes, please describe how your product is adaptive by this measure:
  ______________________

- No

Other than the above listed measures, please explain how your product is adaptive with respect to collaboration:

With respect to collaboration, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
CUSTOMIZATION & CONFIGURATION

Can educators or course designers change learning content and assessments (i.e., add, edit, re-order, delete)?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Can educators or course designers change learning objectives or outcomes (i.e., add, edit, re-order, delete)?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Is there a collection of supplemental content or assessments for educators or course designers to use?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Other than the above listed measures, please explain how your product is adaptive with respect to customization and configuration:

With respect to customization and configuration, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
DEPTH OF INTERACTION

Are game-based activities or motivational strategies (e.g., competitions, rewards, level-based experiences) a part of the learner experience?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Do learners need to make predictions or explain their reasoning in order to complete one or more learning activities?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Are learners prompted to recall or apply prior learning?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Does the courseware offer varying means of learner action and expression (e.g., physical actions, use of multiple media, interactive objects, and executive functions)?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Do learners have the option to select from different representations of the same content in learning modules?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No
Des the courseware UI expose learning content or assessments from third party APIs?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Other than the above listed measures, please explain how your product is adaptive with respect to depth of interaction:

With respect to depth of interaction, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
FEEDBACK

Do educators or mentors receive notifications of learner performance that could trigger an intervention?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Do learners receive gradation (or multiple-try) feedback within a single activity?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Does the learner receive diagnoses of likely missing skills or knowledge components?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Can an educator track the progress of student cohorts and individual students in a single view?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No

Can a learner track one’s progress and remaining tasks in the same interface?

☐ Yes. *If you answer yes, please describe how your product is adaptive by this measure:*

____________________

☐ No
Do learners receive feedback on socio-emotional factors related to learning (e.g., persistence)?

- Yes. If you answer yes, please describe how your product is adaptive by this measure:
  ______________________

- No

Do authors and content creators receive feedback on how well a chapter or piece of content worked? In other words, is there data collection on the readability, accessibility, and functionality of content and is that data relayed to authors or content creators so improvements may be made?

- Yes. If you answer yes, please describe how your product collects and communicates this data:
  ______________________

- No

Please identify and describe the different types of reports/feedback available to educators when tracking student progress and learning? Where possible, give examples of how these reports/feedback can be used to provide targeted interventions to student learners.

Other than the above listed measures, please explain how your product is adaptive with respect to feedback:

With respect to feedback, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
LEARNER AUTONOMY

Are learners prompted for self-reflection and/or evaluation?

☑ Yes. If you answer yes, please describe how your product is adaptive by this measure:

________________________________________________________

☑ No

Can learners markup content and save these markups to support their own learning?

☑ Yes. If you answer yes, please describe how your product is adaptive by this measure:

________________________________________________________

☑ No

Do learners have on-demand access to assessments, simulations, or interactive objects that are not a required element of planned instruction?

☑ Yes. If you answer yes, please describe how your product is adaptive by this measure:

________________________________________________________

☑ No

Can learners share their work or evidence of learning outside of the course (e.g., digital badges, e-portfolio artifacts)?

☑ Yes. If you answer yes, please describe how your product is adaptive by this measure:

________________________________________________________

☑ No

Can learners associate external resources with assessments, learning content, objectives, or outcomes in the courseware?

☑ Yes. If you answer yes, please describe how your product is adaptive by this measure:

________________________________________________________

☑ No
Other than the above listed measures, please explain how your product is adaptive with respect to learner autonomy:

With respect to learner autonomy, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
MEASUREMENT & STRUCTURE

Do one or more modules include a pre-test that results in feedback to the learner?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:
______________

☐ No

Is there content that is intended for use as a summative assessment and is explicitly associated with the course's learning objectives?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:
______________

☐ No

Have learning outcomes been mapped to learning objectives?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:
______________

☐ No

Are there assessments in most or all learning modules?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:
______________

☐ No

Are there measurements of a learner’s confidence or disposition in relation to learning?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:
______________

☐ No
Does the courseware return grade and other performance data to the LMS and other enterprise systems as configured?

- Yes. *If you answer yes, please describe how your product is adaptive by this measure:*
  
  __________________________

- No

Does the courseware have the ability to instrument (or generate) new or alternate assessment items or activities based on learner experiences or performance?

- Yes. *If you answer yes, please describe how your product is adaptive by this measure:*
  
  __________________________

- No

Other than the above listed measures, please explain how your product is adaptive with respect to measurement and structure:

With respect to measurement and structure, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
SCAFFOLDING

Are there hints or prompts that support learners during learning activities or assessment items?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Are there prompts for mental practice?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Are there narrative structures that act as guidelines or organizers of learning activities?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Are learners prompted to generate explanations of how they have approached an activity?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Does the courseware incorporate socio-emotional interventions (e.g., growth mindset, to overcome a stereotype threat)?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No
Other than the above listed measures, please explain how your product is adaptive with respect to scaffolding:

With respect to scaffolding, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
USABILITY

Are there design features or assets to help users orient themselves with the interface and software in general?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Can a learner save one’s partial progress within a module and return to that point in a subsequent session?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Is there a glossary of terms specific to the learning content of the course?

☐ Yes. If you answer yes, please describe how your product is adaptive by this measure:

____________________

☐ No

Other than the above listed measures, please explain how your product is adaptive with respect to usability:

With respect to usability, what are the strengths and weaknesses of your courseware compared to those of your closest competitors?
COST

Describe your pricing structure. (Is there a separate cost for your platform and another cost for the courseware?)

Is there a refund policy if the student drops the course?

If a student drops the course and then decides to retake the course, will the courseware be good for multiple semesters (with a one-time purchase)?

If a student fails and retakes the course, will they be able to use the courseware again (with a one-time purchase)?

Do you have a lifetime access option? If so, please explain the parameters of that option:

Is there also a print option available?

- Yes
- No
**SUPPORT**

Is helpdesk support available for instructors?

- Yes. If yes, please describe the type of helpdesk and technical support available to instructors.

- No

Is helpdesk support available for students?

- Yes. If yes, please describe the type of helpdesk and technical support available to students.

- No

Is helpdesk support available for technical staff?

- Yes. If yes, please describe the type of helpdesk and technical support available to university technical staff.

- No
DATA ACCESS & OWNERSHIP

Where does the data generated by student users reside? Where is it stored and who owns it?

Can institutions access student data, assessment data, and other activity data for all courses/sections belonging to their institution in order to perform an analysis of student performance?

- [ ] Yes. If yes, please explain the process by which [University Name] may access the data.
- [ ] No

What experience do you have working on a university-led project involving the implementation of educational technologies? (Please provide the names of institutions that you are currently or have previously worked with).

If you have not worked on such a project, please explain how you are equipped (staff, resources, etc.) to work on such a project.
## CONTENT MANAGEMENT

Please mark 'Yes' or 'No' to indicate if your courseware has the following content management capabilities:

<table>
<thead>
<tr>
<th>Capability</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource sharing among educators, mentors, or course designers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Batch file loads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Support of multimedia content in assessment items</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content discovery and sharing among courses</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Learner portfolio tools</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to add ALT tags for uploaded media</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to upload SCORM learning objects</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combination of templates and customizable interactions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to parse uploaded files into learning or assessment content</td>
<td></td>
<td></td>
</tr>
<tr>
<td>More than 1GB of storage per student/course</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrated cloud storage for end users to manage</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
COURSE ADMINISTRATION

Please mark 'Yes' or 'No' to indicate if your courseware has the following course administration capabilities:

<table>
<thead>
<tr>
<th>Capability</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online submission of assignments</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Flexible group assignments (e.g., the ability to assign work specific to individuals)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Calendar links to assignments</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Calendar standard protocol compliance</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Real-time progress monitoring during assessments</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ability to tag content as required or optional</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ability to generate or analyze a syllabus based on collected course content</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ability to support faculty, mentors, or course designers interacting in relation to shared students</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
## REPORTING

Please mark ‘Yes’ or ‘No’ to indicate if your courseware has the following reporting capabilities:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single views of learner performance or grades among courses</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Support of standards-or rubric-based grading</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Competency-based reporting</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ability to view student workload</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Views of course, program, and institutional information in the same software systems</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Reports on learner or educator evaluations of course content or administration</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Reports on usage or performance of external and integrated software systems</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Reports on performance of curriculum objects by author or source</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Ability to add data from external systems and create single-view reports</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
**ACCESSIBILITY**

Please mark 'Yes' or 'No' to indicate if your courseware has the following accessibility capabilities:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Is media closed captioned?</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>Are text transcripts also provided?</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>Screen Reader accessible?</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>Alternate assessment options</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>(mode of representation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternate assessment options</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>(mode of response)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ability to download learning</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>content for offline access</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tools for minimizing distractions</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>in the user interface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternate language support for UI</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>elements</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alternate language support for some or most learning content</td>
<td>❑</td>
<td>❑</td>
</tr>
</tbody>
</table>
# BROWSER/OS COMPATIBILITY

Please mark 'Yes' or 'No' to indicate if your courseware has the following browser/OS compatibility capabilities:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explicit support of most recent version of Google Chrome</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of prior versions of Google Chrome</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of most recent version of Apple Safari</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of prior versions of Apple Safari</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of most recent version of Internet Explorer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of prior versions of Internet Explorer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of most recent version of Mozilla Firefox</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explicit support of prior versions of Mozilla Firefox</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native mobile iOS application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native mobile android application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Native Windows Mobile application</td>
<td></td>
<td></td>
</tr>
<tr>
<td>No browser plugins or extensions required</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### INTEROPERABILITY

Please mark 'Yes' or 'No' to indicate if your courseware has the following interoperability capabilities:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMS Global LTI tool provider</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>IMS Global LTI tool consumer</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>SCORM compatibility</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>IMS Capiler Learning Sensor API integration</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>xAPI Learning Relationship Store</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>ePUB support</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>SAML 2.0 Identity Provider or Service Provider</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>Oauth 2.0 or OpenID ConnectService Provider or</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>LDAP authentication</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>LTI 2.x Tool Consumer</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>LTI 2.x Tool Provider</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>LTI integration can report grades to LMS gradebook</td>
<td>❑</td>
<td>❑</td>
</tr>
<tr>
<td>Integration has the ability to be configured at the system and course level of the LMS</td>
<td>❑</td>
<td>❑</td>
</tr>
</tbody>
</table>
## PRIVACY & SECURITY

Please mark 'Yes' or 'No' to indicate if your courseware has the following privacy and security capabilities:

<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERPA compliance certification by a third party</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>US/EU Safe Harbor certification by a third party</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Ability to ensure that data will not reside in foreign data centers</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Documented disaster recovery procedures</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td>Documented security policies and trainmen programs for vendor staff</td>
<td>![ ]</td>
<td>![ ]</td>
</tr>
</tbody>
</table>
SCALABILITY

Please mark 'Yes' or 'No' to indicate if your courseware has the following scalability capabilities:

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Documented support of peak concurrency levels</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Clustering elasticity (i.e., the ability to add or remove nodes from a distributed data store)</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>NoSQL data store that supports data model elasticity</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
NOTES

If you have any additional notes or questions, use this space to record them.