

Proposed Updates to Learning Opportunity Profile Properties & Vocabulary

DRAFT CTDL	NOTES
<p>LearningOpportunityProfile</p> <p>http://credreg.net/page/domainsviewer#LearningOpportunityProfile</p> <p>PLEASE NOTE THIS IS THE SAME FOR ASSESSMENT AND LEARNING OPPORTUNITY.</p> <p>CTDL already has learningDeliveryType http://credreg.net/page/propertiesviewer#learningDeliveryType that will have to be replaced with deliveryType and learningFormatType.</p> <p>ctdl:deliveryType Range: CredentialAlignmentObject (for Enumeration) Domain: LearningOpportunityProfile Concept Scheme: DeliveryType</p> <p>Definition: The means by which the resource being described is delivered to people or interacted with by people.</p> <ul style="list-style-type: none"> • inPersonOnly -Delivery is in person. • onlineOnly - Delivery is via the Internet. • blendedDelivery - Delivery includes in person and online. 	<p>Course Schema Pending</p> <p>https://pending.schema.org/Course</p> <p>Completed. Based on the Assessment Review Group, this may need to be added to Assessment Profile.</p> <p><i>Spreadsheet Updates Complete:</i></p> <ol style="list-style-type: none"> 1. <i>ctdl:deliveryType property added.</i> 2. <i>Vocabulary spreadsheet DeliveryType updated (new terms added & old deleted).</i> 3. <i>DeliveryType concept scheme class definition updated.</i> 4. <i>ctdl:learningDeliveryType property changed to ctdl:deliveryType on LearningOpProfile.</i> <p>Scope Notes: Don't need to include at this time. May add later</p>
<p>PLEASE NOTE THIS IS BASED ON CEDS. SEE THE CEDS LISTING BOB PULLED HERE https://docs.google.com/document/d/1V16tG4LVJlQlDntu3YC4lxkxb598Mw0Bm58BeRn5w4/edit?usp=sharing.</p> <p>ctdl:learningFormatType Range: CredentialAlignmentObject (for Enumeration) Domain: LearningOpportunityProfile Concept Scheme: LearningMethodType Definition: The methods used to conduct the learning opportunity being referenced.</p>	<p>Complete with the exception of, Bob has to finalize the concept scheme (terms) and respective definitions.</p> <p><i>Changes made 2016-11-08:</i> <i>(1) To AVOID the property name and the vocabulary name</i></p>

Applied

Definition: Provides learning opportunities in the context of real world examples, cases, and applications.

Scope Note: Applied includes methods such as contextual learning, applied academics, academic-technical integration, problem-based learning, project-based learning, and case methods.

Electronic Media Based

Definition: Delivery of learning material via one-way broadcast or storage media that take advantage of electronic technology or any other medium that requires electricity or digital encoding of information.

Scope Note: Electronic Media Based includes methods such as television, radio, Internet, fax, distributed media, and gaming.

Laboratory

Definition: Hands-on individual or group experiences for applied learning concepts and methods, procedures and protocols with equipment and technologies.

Scope Note: Laboratory includes methods such as direct or indirect, physical or virtual simulation or participation.

Lecture

Definition: The primary method is presentation by an instructor of learning material and may include student discussion.

Scope Note: Lecture courses may involve student questions and answers, but the role of the instructor is clearly differentiated from that of the students.

Self Paced

Definition: Provides for personalization and flexibility in the timing and progression of learning for individual learners based on their preferences and needs, prior learning experiences, and ability to progress through learning opportunities.

Scope Note: Self paced includes methods such competency-based education, open-entry/open exit, independent study, private study, and correspondence.

Seminar

Definition: The primary method is active student discussion leading to advancement of the topic and facilitated by an instructor.

Scope Note: Seminars typically involve small groups to facilitate equal opportunity with the instructor and colleagues to be engaged and occasionally may include students leading discussions.

Work Based

being the same, I abbreviated the vocabulary name to LearningMethod. (Stuart)

(2) Vocabulary concepts added: <http://www.credreg.net/page/vocabulariesviewer#LearningMethod>

Changes to make Nov 17, 2016:

- **"LearningFormat" becomes "LearningMethodType"**
- **Add definition to LearningMethodType: "The methods used to conduct the learning opportunity being referenced."**
- **"Contextual" becomes "Applied"**
- **"Lecture/Seminar" becomes "Lecture" and "Seminar" (separate terms)**

Spreadsheet Updates Complete:

1. **(SEE ABOVE CHANGE) Property ctdl:learningFormatType added to LearningOpProfile with "@@@" placeholder definition;**
2. **(SEE ABOVE CHANGE) ctdl:LearningFormat added to class table with "@@@" placeholder definition;**
3. **Top level concepts (yellow highlighting) have been added to a ctdl:LearningFormat vocabulary in Vocabulary Inventory V.2 spreadsheet (https://docs.google.com/spreadsheets/d/1ir1wEF4R2wC_G7UME--WJnlib6z1fLTdc5_icXbsAFz0/edit#gid=0) -- placeholder definitions using "@@@"**

<p>Definition: Provides real-world work experiences that may be paid or unpaid and provided in group or individual formats normally outside the classroom.</p> <p>Scope Note: Work based includes methods such as apprenticeships, internships, externships, work study, clinical rotations, residencies, practicums, field study, team projects, and cooperative education.</p>	
<p>ctdl:deliveryTypeDescription Range: Literal Domain: LearningOpportunityProfile Definition: A more detailed, refined description of delivery type.</p>	<p>Complete. Learning Opportunity Profile only pending Assessment Profile determination with the Assessment Review Group.</p> <p><i>Spreadsheet Updates Complete (1 ctdl:deliveryTypeDescription property added)</i></p>
<p>ctdl:validationMethodDescription Range: Literal Domain: LearningOpportunityProfile, Credential, VerificationProfile Definition: Description of the methods used to evaluate the validity and reliability.</p>	<p>Complete. Learning Opportunity Profile only pending Assessment Profile determination with the Assessment Review Group.</p> <p><i>Spreadsheet Updates Complete:</i></p> <ol style="list-style-type: none"> <i>1. property added to the three domains;</i> <i>2. validationProcess property referencing ProcessProfile deleted from Credential and AssessmentProfile</i> <p><i>NOTE: In the deleted validationProcess property “check and approve” language was used for “validation”.</i></p>

ADDRESSING UNITS OF CREDIT AND RELATED TIME GITHUB ISSUE #126

<https://github.com/CredentialTransparencyInitiative/vocabularies/issues/126>

ctdl:creditUnitType

Range: CredentialAlignmentObject (for Enumeration)

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

Concept Scheme: CreditUnit

Definition: The type of credit associated with degree and non-degree learning opportunities.

Certificate Credit

Definition: Credit that is issued or accepted for certificates.

Scope Note: Includes credits earned while enrolled in a certificate program.

Continuing Education Unit

Definition: Credit that is issued or is accepted as education units for meeting professional requirements.

Scope Note: Based on international standards, continuing education units are based on contact hours that may be converted to other units of measurement, such as professional development hours (PDH), continuing education credits (CEU), and continuing professional credits (CPC).

Degree Credit

Definition: Credit that is issued or is accepted as credit for earning a college-level degree.

Scope Note: Includes credits earned while enrolled in a postsecondary program for a college-level degree.

Secondary Diploma Credit

Definition: Credit that is issued or accepted for a secondary diploma.

Scope Note: Includes credits earned while enrolled in a secondary diploma program that meet graduation requirements.

ctdl:creditUnitTypeDescription

Range: Literal

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

Definition: A more refined, detailed description of credit unit type.

ctdl:creditUnitValue

Range: xsd:Float

Domain: Condition Profile, LearningOpportunityProfile, AssessmentProfile

Definition: The number of either credit units awarded for college credit or continuing education units for completing or attaining the resource being described.

Rationale:

Options 1 and 2 are both viable options. The major distinction between the two is how they are extended.

Given downstream/implementation issues (the Registry), Option 1 was chosen.

Option 1 extensions would be handled through additions to a controlled vocabulary, while Option 2 extensions would be handled through the addition of unique properties denoting those additions.

The choice of an option is dependent on its downstream / application implications.

Changes to Make:

- **Remove "Academic Credit"**
- **Add "Certificate Credit"**
- **Add "Secondary Diploma Credit"**

Spreadsheet Updates Complete:

1. **creditUnitType property added to the three domains;**
2. **CreditUnit concept scheme created and recorded in**

<p>ctdl:creditHourType Range: Literal Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile Definition: Units of time corresponding to types of credits. Scope Note: Examples include but are not limited to semester hours, quarter hours, clock hours, or hours of participation.</p> <p>ctdl:creditHourValue Range: xsd:Float Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile Definition: The number of credit hours awarded for completing or attaining the resource being described.</p>	<p><i>Class spreadsheet and Vocabulary Inventory V2 spreadsheet.</i></p> <ol style="list-style-type: none"> 3. <i>Property creditUnitTypeDescription added to Properties spreadsheet</i> 4. <i>Property creditUnitValue added to Properties spreadsheet</i> 5. <i>Property creditHourType added to Properties spreadsheet</i> 6. <i>Property creditHourValue added to Properties spreadsheet</i> <p><i>Note: Should the CreditUnit concept "Academic Credit" scope note encompass "<u>primary, secondary and adult education</u>". Original was K-12 and we changed it to "secondary (K-2)". But K-12 includes primary.</i></p>
<p>GITHUB Financial Assistance https://github.com/CredentialTransparencyInitiative/vocabularies/issues/125 Currently we have no way to point to whether or not there is applicability to various types of financial assistance. For example Navy Cool shows if credentials qualify for credential reimbursement or GI bill, two different things. Postsecondary learning opps may qualify for grants, scholarships, loans.</p> <p>ctdl:financialAssistance Range: ctdl:FinancialAlignmentObject Domain: LearningOpportunityProfile, AssessmentProfile Definition: The types of financial assistance for which the resource being described qualifies.</p> <p>Example: { "@type": "ctdl:LearningOpportunityProfile", "ctdl:financialAssistance": [{ "@type": "ctdl:FinancialAlignmentObject", "targetName": "FAFSA",</p>	<p>Changes to make:</p> <ul style="list-style-type: none"> - Add "FinancialAlignmentObject" class (subclass of CredentialAlignmentObject) <p>ADDITION COMPLETE (2016-11-08): http://www.credreg.net/page/proper-tiesviewer#FinancialAlignmentObject</p>

<pre>"targetDescription": "FAFSA Description text" "targetUrl": "http://www.fafsa.ed.gov/" }] }</pre>	
<p>AUDIENCE LEVELS</p> <p>GitHub Education Level versus Required Credential Types and Degree Requirements #103 https://github.com/CredentialTransparencyInitiative/vocabularies/issues/103</p> <p>CURRENT ctdl:audienceLevel Definition: Class of levels in an academic or training progression of the typical person seeking the credential. Concept Scheme: Terms:</p> <ul style="list-style-type: none">• Associate - An education level typically associated with college-level work at lower-division or in the first two years of a four year undergraduate program of study.• Bachelor - An education level typically associated with college-level work at upper-division or in the last two years of a four year undergraduate program of study.• Doctoral - The highest level of postsecondary professional and academic study, typically associated with post-masters level work.• SecondarySchoolOrEquivalent - The secondary school level of professional and academic study.• Master - The lowest level of postgraduate professional and academic study. <p>PROPOSED ctdl:audienceLevel Domain:Credential, LearningOpportunityProfile, AssessmentProfile Definition: Class of levels in a learning progression of the typical person seeking to complete or attain the resource being described.</p> <ul style="list-style-type: none">• Entry Level - The resource being described is intended for novices or beginners.• Intermediate Level - The resource being described is intended for individuals with experience related to the resource.• Advanced Level - The resource being described is intended for individuals with advanced experience and/or skills related to the resource.	<p>UNRESOLVED. This was moved to a Google Doc to address here https://docs.google.com/document/d/1P-3EOR0U-pCuM4qqYsMwOEcfNRHxjHuNKcYHwv6E6SQ/edit?usp=sharing</p> <p>Next Step: send the proposed list of levels to credential certificate and certification partners for feedback to tweak definitions. The draft survey is available for review https://www.surveymonkey.com/r/CTDLAudienceLevel</p> <p>CTDL needs to be able to provide levels. This is for assessments as well. For example, NOCTI identifies levels such as entry level.</p> <p>Levels are not related to conditions/requirements.</p>

- Expert Level - The resource being described is intended for individuals with expert skills related to the resource.
- Secondary Level - The resource being described is intended for secondary level related to the intended resource.
- Associates Level - The resource being described is intended for associate's level related to the intended resource.
- Bachelors Level - The resource being described is at the bachelor's level related to the intended resource.
- Masters Level - The resource being described is at the master's level related to the intended resource.
- Doctoral Level - The resource being described is at the doctoral level related to the intended resources.

Option 2

ctdl:degreeCredits

Range: xsd:Float

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

Definition: The number of credits issued or accepted as credit for earning a college-level degree that are awarded by, required for, or related to the resource being described.

ctdl:continuingEducationUnits

Range: xsd:Float

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

Definition: The number of professional continuing education credits issued or accepted as education units for meeting professional requirements that are awarded by, required for, or related to the resource being described.

ctdl:creditHours

Range: xsd:Float

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

Definition: The number of credit hours issued, accepted, or awarded by, required for, or related to the resource being described.

ctdl:creditHoursDescription

Range: Literal

Domain: ConditionProfile, LearningOpportunityProfile, AssessmentProfile

SEE OPTION 1 AND IT'S RESPECTIVE NOTE

[courseCredits](#) - [Number](#) or [Text](#) -
The number of credits offered for the Course toward an academic goal.

[courseCreditsUnit Text](#) or - [URL](#) -
The type of credit associated with the credits earned for the Course. (e.g. TODO NoCredit, Quarter, Semester, CarnegieUnits, ContinuingEducationUnits, ClockHours, Other)

<p>Definition: Units of time corresponding to types of credits. Scope Note: Examples include but are not limited to semester hours, quarter hours, clock hours, or hours of participation.</p>	
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