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<?xml version="1.0" encoding="UTF-8" ?>
- <xs:schema targetNamespace="http://cdm-fr.fr/2006/CDM-frSchema"
  xmlns="http://cdm-fr.fr/2006/CDM-frSchema"
  xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
  version="SD/STSI/SDTICE CDM-fr XML 0.8">
- <xs:annotation>
  <xs:documentation xml:lang="en">CDM-2.0.2 (2006-11-15) Homepage The
    CDM project wiki is hosted by Utdanning.no at
    http://cdm.utdanning.no/cdm URI (see
    http://cdm.utdanning.no/example_of_cdm_xml_document for usage)
    http://utdanning.no/schemas/CDM/2.0.2/CDM.xsd Changelog
    http://cdm.utdanning.no/cdm:release_history Subversion $Id: CDM.xsd
    3083 2006-11-15 15:12:59Z ch $ $HeadURL:
    http://svn.utdanning.no/projects/cdm/tags/cdm-2.0.2/xsd/CDM.xsd $
    Contact Are Rikardsen, Utdanning.no (are@utdanning.no) Norway's CDM-
    U profile http://cdm.utdanning.no/cdm-u</xs:documentation>
  <xs:documentation xml:lang="en">Version 0.1 du CDM-fr , Date : 2006.05.06
    attributes translation in french. Version 0.2 du CDM-fr , Date : 2006.05.10
    Adds standard decoration in infoBlocks (emphasis, strong, superscript,
    subscript). Version 0.3 du CDM-fr , Date : 2006.12.01 French attributes
    revision. Version 0.8 Change xs:schema values to validate through W3C
    validators thanks to J-B Arnoux.</xs:documentation>
</xs:annotation>
- <xs:annotation>
  <xs:documentation xml:lang="fr-FR">Inclusion du schema français
    d'habilitation</xs:documentation>
</xs:annotation>
<!-- French diploma "habilitation" -->
<xs:include id="habilitation" schemaLocation="http://cdm-
  fr.fr/2006/schemas/CDM-fr_habili.xsd" />
- <xs:element name="CDM">
- <xs:annotation>
  <xs:documentation>Root element. A course information container with a
    collection of course related information.</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
  - <xs:element name="properties" minOccurs="0">
    - <xs:annotation>
      <xs:documentation>Basic packaging information that is used
        to manage the exchange of the data between the source
        and target systems</xs:documentation>
    </xs:annotation>
  - <xs:complexType>
  - <xs:sequence>
    - <xs:element name="datasource" type="xs:token"
      minOccurs="0">
      - <xs:annotation>
        <xs:documentation>This is the source
          address/identifier of the Enterprise system that
          is initiating the data transfer.</xs:documentation>
      </xs:annotation>
    </xs:element>
    - <xs:element name="target" type="xs:token" minOccurs="0"

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maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>An identifier for the target
    Enterprise System. This identifier should be
    capable of uniquely identifying the appropriate
    Enterprise System.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="type" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Describes the type of event that
    caused the source system to generate the data
    objects.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="datetime" type="CDMdateTime"
  minOccurs="0">
  - <xs:annotation>
    <xs:documentation>The date and time the data
    objects were generated by the data
    source.</xs:documentation>
  </xs:annotation>
</xs:element>
  <xs:element ref="infoBlock" minOccurs="0" />
</xs:sequence>
  <xs:attribute name="language" type="xs:language"
    use="optional" />
</xs:complexType>
</xs:element>
- <xs:choice maxOccurs="unbounded">
  <xs:element ref="orgUnit" />
  <xs:element ref="program" />
  <xs:element ref="course" />
  <xs:element ref="person" />
</xs:choice>
</xs:sequence>
  <xs:attribute name="language" type="xs:language" use="optional" />
  <xs:attribute name="version" type="xs:token" use="optional" />
  <xs:attribute name="profile" type="xs:token" use="optional" />
  <!-- version: CDM-versjon, formattert som "2.0.1" -->
  <!-- profile: profil-versjon, formattert som "CDM-U_0.9.1" -->
</xs:complexType>
</xs:element>
<!-- *** Types *** -->
- <xs:simpleType name="orgUnitCodeValueSet">
  - <xs:annotation>
    <xs:documentation>Enumeration set of values for orgUnitCode (national
    codesets in Norway). so = nasjonale koder som brukes til opptak via
    SO. vigo = nasjonale koder for videregående oppl ring. mva =
    norwegian organisation number (VAT number). The code is used as a
    unique identifier for the organisation</xs:documentation>
  </xs:annotation>
  - <xs:restriction base="xs:token">

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    <xs:enumeration value="codeNationalIdentification" />
    <xs:enumeration value="codeEtablissement" />
    <xs:enumeration value="siret" />
    <xs:enumeration value="userDefined" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="orgUnitKindValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for orgUnitKind
    (university, high school etc)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="universite" />
  <xs:enumeration value="ufr" />
  <xs:enumeration value="ecole" />
  <xs:enumeration value="grandeEcole" />
  <xs:enumeration value="ens" />
  <xs:enumeration value="ecoleIngenieur" />
  <xs:enumeration value="institut" />
  <xs:enumeration value="insa" />
  <xs:enumeration value="iut" />
  <xs:enumeration value="iep" />
  <xs:enumeration value="inp" />
  <xs:enumeration value="iufm" />
  <xs:enumeration value="grandEtablissement" />
  <xs:enumeration value="chCommIndustrie" />
  <xs:enumeration value="chAgriculture" />
  <xs:enumeration value="conservatoire" />
  <xs:enumeration value="lycee" />
  <xs:enumeration value="formationContinue" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="programCodeValueSet">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for programCode (national
    codesets in Norway). soUtdanningsomraadet= oversikt fra SO
    (samordna opptak) for kategorisering av utdanning. so = nasjonale
    koder som brukes til opptak via SO. NUS= Norsk utdanningsstandard,
    defineres av SSB.</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="cite97" />
  <xs:enumeration value="erasmus" />
  <xs:enumeration value="disciplineSise" />
  <xs:enumeration value="regimeInscriptionSise" />
  <xs:enumeration value="rome" />
  <xs:enumeration value="rncp" />
  <xs:enumeration value="userDefined" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="courseCodeValueSet">
- <xs:annotation>

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    <xs:documentation>Enumeration set of values for
    courseCode .</xs:documentation>
  </xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="cite97" />
  <xs:enumeration value="codeCNU" />
  <xs:enumeration value="erasmus" />
  <xs:enumeration value="natureUE-EC" />
  <xs:enumeration value="userDefined" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="studyPaceValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for programDuration (full
  time, part time)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="tempsPlein" />
  <xs:enumeration value="tempsPartiel" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="timeOfDayValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for program teachingPlace
  (daytime, evening)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="journee" />
  <xs:enumeration value="coursDuSoir" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="degreeValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for degree (degrees in
  Norway)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="diplomeUniversitaire" />
  <xs:enumeration value="licence" />
  <xs:enumeration value="licencePro" />
  <xs:enumeration value="master" />
  <xs:enumeration value="doctorat" />
  <xs:enumeration value="bts" />
  <xs:enumeration value="dut" />
  <xs:enumeration value="maitrise" />
  <xs:enumeration value="daeu" />
  <xs:enumeration value="deust" />
  <xs:enumeration value="deug" />
  <xs:enumeration value="hdr" />
  <xs:enumeration value="ingenieur" />
  <xs:enumeration value="certificat" />
  <xs:enumeration value="attestation" />

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    <xs:enumeration value="capacite" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="levelValueType">
  - <xs:annotation>
    <xs:documentation>Enumeration set of values for level (niveaux en
      France).</xs:documentation>
  </xs:annotation>
  - <xs:restriction base="xs:token">
    <xs:enumeration value="baccalaureat" />
    <xs:enumeration value="licence1" />
    <xs:enumeration value="licence2" />
    <xs:enumeration value="licence3" />
    <xs:enumeration value="master1" />
    <xs:enumeration value="master2" />
    <xs:enumeration value="doctorat" />
    <xs:enumeration value="bts" />
    <xs:enumeration value="dut" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="levelCompetenceYieldingValueType">
  - <xs:annotation>
    <xs:documentation>Enumeration set of values for
      levelCompetenceYielding.</xs:documentation>
  </xs:annotation>
  - <xs:restriction base="xs:token">
    <xs:enumeration value="academic" />
    <xs:enumeration value="nonAcademic" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="formOfTeachingOrgValueType">
  - <xs:annotation>
    <xs:documentation>Enumeration set of values for formOfTeaching
      (distance education, centralized, decentralized). How the teaching is
      organized.</xs:documentation>
  </xs:annotation>
  - <xs:restriction base="xs:token">
    <xs:enumeration value="aDistance" />
    <xs:enumeration value="presentiel" />
    <xs:enumeration value="mixte" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="formOfTeachingMethodValueType">
  - <xs:annotation>
    <xs:documentation>Enumeration set of values for formOfTeaching
      (faceToFace, web based, web enhanced, correspondance). How the
      teaching is accomplished.</xs:documentation>
  </xs:annotation>
  - <xs:restriction base="xs:token">
    <xs:enumeration value="faceAFace" />
    <xs:enumeration value="presentielEnrichi" />
    <xs:enumeration value="presentielAmeliore" />

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    <xs:enumeration value="presentielAllege" />
    <xs:enumeration value="presentielReduit" />
    <xs:enumeration value="presentielQuasiInexistant" />
    <xs:enumeration value="aDistance" />
    <xs:enumeration value="parCorrespondance" />
    <xs:enumeration value="paLeWeb" />
  </xs:restriction>
</xs:simpleType>
- <xs:simpleType name="teachingTermValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for teachingTerm (every
    spring, every other autumn etc)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="premierSemestre" />
  <xs:enumeration value="premierSemestreUnAnSurDeux" />
  <xs:enumeration value="secondSemestre" />
  <xs:enumeration value="secondSemestreUnAnSurDeux" />
  <xs:enumeration value="premierEtSecondSemestre" />
  <xs:enumeration value="userDefined" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="examKindValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for examKind (ordinary,
    continuation, postponed). Kontinuasjon gjelder for de som har strøket
    til eksamen, utsatt for de med gyldig fravær.</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="examenPartiel" />
  <xs:enumeration value="controleContinu" />
  <xs:enumeration value="examenTerminal" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="examFormValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for examForm (written,
    oral)</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="ecrit" />
  <xs:enumeration value="oral" />
  <xs:enumeration value="pratique" />
  <xs:enumeration value="surDossier" />
</xs:restriction>
</xs:simpleType>
- <xs:simpleType name="partStructureValueType">
- <xs:annotation>
  <xs:documentation>Enumeration set of values for
    examOrganisation</xs:documentation>
</xs:annotation>
- <xs:restriction base="xs:token">

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    <xs:enumeration value="alternative" />
    <xs:enumeration value="allParts" />
  </xs:restriction>
</xs:simpleType>
- <xs:complexType name="programType">
- <xs:annotation>
  <xs:documentation>Description of a program. ECTS: An approved set of
  course units or modules recognised for the award of a specific degree
  form a study programme and can be defined through the set of
  learning outcomes to be achieved for the award of a specified number
  of credits. (I Norge: på univ. og høgskolenivå tilsvarer det
  studieprogram og studieretninger. I vgs tilsvarer det løp eller deler av
  løp i vgs. (GK, VK1 eller VK2).</xs:documentation>
</xs:annotation>
- <xs:sequence>
- <xs:element name="programID" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Shorthand identification of the study
    program</xs:documentation>
  </xs:annotation>
  </xs:element>
- <xs:element name="programName" type="textType">
  - <xs:annotation>
    <xs:documentation>Full name of the study
    program</xs:documentation>
  </xs:annotation>
  </xs:element>
- <xs:element name="programCode" minOccurs="0"
  maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>A study program code according to a
    codification scheme. The choice of codification rule can be
    given by the attribute codeSet.</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:simpleContent>
      - <xs:extension base="xs:token">
        <xs:attribute name="codeSet" type="programCodeValueSet"
          use="optional" />
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
  </xs:element>
  <xs:element ref="webLink" minOccurs="0" />
- <xs:element name="programDescription" type="infoBlockType"
  minOccurs="0">
  - <xs:annotation>
    <xs:documentation>A (short) general description of the study
    program</xs:documentation>
  </xs:annotation>
  </xs:element>
  <xs:element ref="qualification" minOccurs="0" />
  <xs:element ref="level" minOccurs="0" />

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<xs:element ref="learningObjectives" minOccurs="0" />
<xs:element ref="admissionInfo" minOccurs="0" />
<xs:element ref="recommendedPrerequisites" minOccurs="0" />
<xs:element ref="formalPrerequisites" minOccurs="0" />
<xs:element ref="teachingPlace" minOccurs="0" />
<xs:element ref="targetGroup" minOccurs="0" />
<xs:element ref="formOfTeaching" minOccurs="0" />
<xs:element ref="programDuration" minOccurs="0" />
<xs:element ref="programStructure" minOccurs="0" />
<xs:element ref="regulations" minOccurs="0" />
<xs:element ref="studyAbroad" minOccurs="0" />
<xs:element ref="expenses" minOccurs="0" />
<xs:element ref="universalAdjustment" minOccurs="0" />
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
- <xs:choice minOccurs="0" maxOccurs="unbounded">
  <xs:element ref="subProgram" />
  <xs:element ref="refProgram" />
</xs:choice>
<xs:element ref="searchword" minOccurs="0" maxOccurs="unbounded" />
</xs:sequence>
<xs:attribute name="id" type="xs:ID" use="optional" />
<xs:attribute name="ident" type="xs:token" use="optional" />
<xs:attribute name="language" type="xs:language" use="optional" />
</xs:complexType>
- <xs:complexType name="examType">
- <xs:annotation>
  <xs:documentation>Exam information</xs:documentation>
</xs:annotation>
- <xs:sequence>
- <xs:element name="examName" type="textType" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Name of the exam</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="examKind" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Type of assessment: e.g. oral examination,
      written examination, oral presentation, test, paper, portfolio,
      thesis, report about an internship, report on fieldwork,
      continuous assessment. Kind of exam: e.g. ordinary,
      extraordinary examination.</xs:documentation>
  </xs:annotation>
- <xs:complexType mixed="true">
  - <xs:complexContent mixed="true">
    - <xs:extension base="infoBlockType">
      <xs:attribute name="examKind" type="examKindValueType"
        use="optional" />
      <xs:attribute name="examForm"
        type="examFormValueType" use="optional" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>

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    </xs:complexType>
  </xs:element>
  <xs:element ref="registrationDeadline" minOccurs="0" />
  <xs:element ref="cancelDeadline" minOccurs="0" />
  <xs:element ref="evaluationDeadline" minOccurs="0" />
  <xs:element ref="examStart" minOccurs="0" />
  <xs:element ref="examEnd" minOccurs="0" />
- <xs:element name="examDuration" minOccurs="0">
- <xs:annotation>
  <xs:documentation>Duration of the exam.</xs:documentation>
</xs:annotation>
- <xs:complexType mixed="true">
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="duration" type="xs:duration"
    use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>
<xs:element ref="examLocation" minOccurs="0" />
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
- <xs:element name="examStructure" minOccurs="0">
- <xs:annotation>
  <xs:documentation>Exam part structure</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
- <xs:element name="partStructure" type="infoBlockType"
  minOccurs="0">
- <xs:annotation>
  <xs:documentation>Description of relationships
    between the exam parts</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="examParts" type="examType"
  minOccurs="0" maxOccurs="unbounded">
- <xs:annotation>
  <xs:documentation>List of exam
    parts</xs:documentation>
</xs:annotation>
</xs:element>
</xs:sequence>
<xs:attribute name="examPartStructure"
  type="partStructureValueType" use="optional" />
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
- <xs:simpleType name="teachingActivityValueType">
- <xs:annotation>

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    <xs:documentation>Enumeration set of values for teachingActivity
    (lecture, class work, seminar, project etc)</xs:documentation>
  </xs:annotation>
- <xs:restriction base="xs:token">
  <xs:enumeration value="coursMagistral" />
  <xs:enumeration value="seminaire" />
  <xs:enumeration value="colloque" />
  <xs:enumeration value="travauxDiriges" />
  <xs:enumeration value="travauxPratiques" />
  <xs:enumeration value="projetIndividuel" />
  <xs:enumeration value="projetEnGroupe" />
  <xs:enumeration value="travauxDeLaboratoire" />
  <xs:enumeration value="etudeBibliographique" />
  <xs:enumeration value="exercices" />
  <xs:enumeration value="devoir" />
  <xs:enumeration value="stage" />
  <xs:enumeration value="correspondance" />
</xs:restriction>
</xs:simpleType>
- <xs:complexType name="CDMdateTime" mixed="true">
- <xs:annotation>
  <xs:documentation>Moment of time given by date and/or time of day
  and/or text</xs:documentation>
</xs:annotation>
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="date" type="xs:date" use="optional" />
  <xs:attribute name="time" type="xs:time" use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
- <xs:complexType name="CDMdate" mixed="true">
- <xs:annotation>
  <xs:documentation>Period of time given by date and/or
  text</xs:documentation>
</xs:annotation>
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="date" type="xs:date" use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
- <xs:complexType name="CDMtime" mixed="true">
- <xs:annotation>
  <xs:documentation>Moment of time given by time of day and/or
  text</xs:documentation>
</xs:annotation>
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="time" type="xs:time" use="optional" />
</xs:extension>
</xs:complexContent>

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</xs:complexType>
- <xs:complexType name="CDMlocation">
- <xs:annotation>
  <xs:documentation>Location given by room and/or building and/or
  text</xs:documentation>
</xs:annotation>
- <xs:sequence>
  <xs:element ref="adr" minOccurs="0" />
  <xs:element ref="infoBlock" minOccurs="0" />
</xs:sequence>
  <xs:attribute name="room" type="xs:token" use="optional" />
  <xs:attribute name="building" type="xs:token" use="optional" />
</xs:complexType>
- <xs:complexType name="textType" mixed="true">
- <xs:annotation>
  <xs:documentation>Text expressed in one or more
  languages</xs:documentation>
</xs:annotation>
- <xs:sequence maxOccurs="unbounded">
  - <xs:element name="text">
    - <xs:annotation>
      <xs:documentation>The information of this text expressed in a
      given languages</xs:documentation>
    </xs:annotation>
    - <xs:complexType>
      - <xs:simpleContent>
        - <xs:extension base="xs:string">
          <xs:attribute name="language" type="xs:language"
          use="optional" />
        </xs:extension>
      </xs:simpleContent>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
<!-- *** Organisational Unit *** -->
- <xs:complexType name="orgUnitType">
- <xs:annotation>
  <xs:documentation>An element of type orgUnitType represents an
  organisational unit that organises or provides study programs and
  courses. In general, a given program or course may be
  organised/provided by multiple organisational units. An
  organisational unit can have a hierarchical structure with subordinate
  organisational units (e.g. university, faculty, institute). The concept of
  organisational unit is supposed to encompass all organisational
  structures with educational offerings from a traditional university to a
  loosely defined consortium.</xs:documentation>
</xs:annotation>
- <xs:sequence>
  - <xs:element name="orgUnitID" type="xs:token" minOccurs="0">
    - <xs:annotation>
      <xs:documentation>Shorthand identification of the organisation
      unit</xs:documentation>

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    </xs:annotation>
  </xs:element>
- <xs:element name="orgUnitName" type="textType">
  - <xs:annotation>
    <xs:documentation>Full name of the organisation
    unit</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="orgUnitAcronym" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Acronym for the organisation
    unit</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="orgUnitCode" minOccurs="0"
  maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>An organisation unit code according to a
    codification scheme. The choice of codification rule can be
    given by the attribute codeSet.</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:simpleContent>
      - <xs:extension base="xs:token">
        <xs:attribute name="codeSet" type="orgUnitCodeValueSet"
          use="optional" />
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
- <xs:element name="orgUnitKind" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Kind of organisation unit, ex university, high
    school and responsible body such as public or
    privat.</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">
        <xs:attribute name="orgType"
          type="orgUnitKindValueType" use="optional" />
        - <xs:attribute name="responsibleBody" use="optional">
          - <xs:simpleType>
            - <xs:restriction base="xs:token">
              <xs:enumeration
                value="publicEducationNationale" />
              <xs:enumeration value="publicAgriculture" />
              <xs:enumeration value="publicIndustrie" />
              <xs:enumeration
                value="publicAffaires Sociales" />
              <xs:enumeration value="publicDefense" />
              <xs:enumeration value="publicCulture" />
              <xs:enumeration value="prive" />
            </xs:restriction>
          </xs:simpleType>
        </xs:attribute>
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>

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        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>
<xs:element ref="webLink" minOccurs="0" />
- <xs:element name="orgUnitDescription" type="infoBlockType"
  minOccurs="0">
  - <xs:annotation>
    <xs:documentation>A general description of the organisational
      unit</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element ref="admissionInfo" minOccurs="0" />
<xs:element ref="regulations" minOccurs="0" />
<xs:element ref="expenses" minOccurs="0" />
<xs:element ref="studentFacilities" minOccurs="0" />
<xs:element ref="universalAdjustment" minOccurs="0" />
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
- <xs:choice minOccurs="0" maxOccurs="unbounded">
  - <xs:element ref="program">
    - <xs:annotation>
      <xs:documentation>gjelder som løp eller deler av løp i vgs.
        (GK, VK1 eller VK2)</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element ref="refProgram" />
</xs:choice>
- <xs:choice minOccurs="0" maxOccurs="unbounded">
  <xs:element ref="course" />
  <xs:element ref="refCourse" />
</xs:choice>
- <xs:choice minOccurs="0" maxOccurs="unbounded">
  <xs:element ref="person" />
  <xs:element ref="refPerson" />
</xs:choice>
- <xs:choice minOccurs="0" maxOccurs="unbounded">
  <xs:element ref="orgUnit" />
  <xs:element ref="refOrgUnit" />
</xs:choice>
  <xs:element ref="searchword" minOccurs="0" maxOccurs="unbounded" />
</xs:sequence>
<xs:attribute name="id" type="xs:ID" use="optional" />
<xs:attribute name="ident" type="xs:token" use="optional" />
<xs:attribute name="language" type="xs:language" use="optional" />
</xs:complexType>
- <xs:element name="orgUnit" type="orgUnitType">
  - <xs:annotation>
    <xs:documentation>Organisational unit</xs:documentation>

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    </xs:annotation>
  </xs:element>
- <xs:element name="studentFacilities" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>General information for students such as cost of
    living, accommodation, meals, medical facilities, insurance, sports
    facilities, student associations etc.</xs:documentation>
  </xs:annotation>
</xs:element>
<!-- *** Program *** -->
- <xs:element name="program">
  - <xs:annotation>
    <xs:documentation>A description of a study program that is organised or
    provided by an organisational unit.</xs:documentation>
  </xs:annotation>
- <xs:complexType>
  - <xs:complexContent>
    <xs:extension base="programType" />
  </xs:complexContent>
</xs:complexType>
</xs:element>
- <xs:element name="programDescription" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>A (short) general description of the study
    program</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="qualification">
  - <xs:annotation>
    <xs:documentation>Learning outcomes, skills, competencies, marks
    and/or grades obtained, rights to practise and/or professional status
    at different levels accorded to the holders of the
    qualification.</xs:documentation>
  </xs:annotation>
- <xs:complexType>
  - <xs:sequence>
    - <xs:element name="qualificationName" type="textType"
      minOccurs="0">
      - <xs:annotation>
        <xs:documentation>Full name of the
        qualification</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="qualificationDescription" type="infoBlockType"
      minOccurs="0" />
    <xs:element ref="credits" minOccurs="0" />
    <xs:element ref="degree" minOccurs="0" />
    <xs:element ref="profession" minOccurs="0" />
    <xs:element ref="studyQualification" minOccurs="0" />
  </xs:sequence>
</xs:complexType>
</xs:element>
- <xs:element name="level">

```

- <xs:annotation>
 - <xs:documentation>**Level of the study, eg undergraduate, bachelor, master.**</xs:documentation>
</xs:annotation>
- <xs:complexType mixed="true">
 - <xs:complexContent mixed="true">
 - <xs:extension base="infoBlockType">
 - <xs:attribute name="level" type="levelValueType" use="optional" />
 - <xs:attribute name="competenceYielding" type="levelCompetenceYieldingValueType" use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
- </xs:element>
- <xs:element name="learningObjectives" type="infoBlockType">
 - <xs:annotation>
 - <xs:documentation>**Aim and objective of the study (preferably expressed in terms of learning outcomes and competence). Learning outcomes are statements of what a learner is expected to know, understand and/or be able to demonstrate after completion of a process of learning.**</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="admissionInfo">
 - <xs:annotation>
 - <xs:documentation>**General information about admission.**</xs:documentation>
</xs:annotation>
 - <xs:complexType>
 - <xs:sequence>
 - <xs:element name="admissionDescription" type="infoBlockType" minOccurs="0" />
 - <xs:element ref="studentPlaces" minOccurs="0" />
 - <xs:element ref="teachingStart" minOccurs="0" />
 - <xs:element ref="registrationDeadline" minOccurs="0" />
 - <xs:element ref="cancelDeadline" minOccurs="0" />
</xs:sequence>
</xs:complexType>
</xs:element>
- <xs:element name="recommendedPrerequisites" type="infoBlockType">
 - <xs:annotation>
 - <xs:documentation>**Description of any recommended prerequisites for the program or course.**</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="formalPrerequisites" type="infoBlockType">
 - <xs:annotation>
 - <xs:documentation>**Description of any formal prerequisites for the program or course.**</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="teachingPlace">

- <xs:annotation>
 - <xs:documentation>**Where the teaching and learning activities takes place.**</xs:documentation>
- </xs:annotation>
- <xs:complexType>
 - <xs:complexContent>
 - <xs:extension base="CDMlocation" />
- </xs:complexContent>
- </xs:complexType>
- </xs:element>
- <xs:element name="targetGroup" type="infoBlockType">
 - <xs:annotation>
 - <xs:documentation>**The intended target group of the information about the study.**</xs:documentation>
- </xs:annotation>
- </xs:element>
- <xs:element name="formOfTeaching">
 - <xs:annotation>
 - <xs:documentation>**Describes the form of teaching, e.g. face to face, web enhanced, web based.**</xs:documentation>
- </xs:annotation>
- <xs:complexType mixed="true">
 - <xs:complexContent mixed="true">
 - <xs:extension base="infoBlockType">
 - <xs:attribute name="org" type="formOfTeachingOrgValueType" use="optional" />
 - <xs:attribute name="method" type="formOfTeachingMethodValueType" use="optional" />
- </xs:extension>
- </xs:complexContent>
- </xs:complexType>
- </xs:element>
- <xs:element name="programDuration">
 - <xs:annotation>
 - <xs:documentation>**Information about time and duration of the program.**</xs:documentation>
- </xs:annotation>
- <xs:complexType mixed="true">
 - <xs:complexContent mixed="true">
 - <xs:extension base="infoBlockType">
 - <xs:attribute name="start" type="xs:date" use="optional" />
 - <xs:attribute name="duration" type="xs:duration" use="optional" />
 - <xs:attribute name="studyPace" type="studyPaceValueType" use="optional" />
 - <xs:attribute name="timeOfDay" type="timeOfDayValueType" use="optional" />
- </xs:extension>
- </xs:complexContent>
- </xs:complexType>
- </xs:element>
- <xs:element name="programStructure" type="infoBlockType">
 - <xs:annotation>


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    <xs:documentation>Information about how the study program is
    structured, e.g. as a course structure diagram.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="regulations" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>A general description of regulations, e.g. examination
    regulations and regulations regarding courses, assessment types and
    grading scales.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="studyAbroad" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>Information about possibilities of performing study
    abroad</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="expenses">
  - <xs:annotation>
    <xs:documentation>Expected expenses associated with the
    organisational unit, program or course.</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">
        <xs:attribute name="price" type="xs:nonNegativeInteger"
        use="optional" />
        <xs:attribute name="currency" type="xs:token" use="optional" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
- <xs:element name="universalAdjustment" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>Facilities for special needs
    students</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="studentPlaces">
  - <xs:annotation>
    <xs:documentation>Limitation on the number of attending
    students</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">
        <xs:attribute name="places" type="xs:nonNegativeInteger"
        use="optional" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
- <xs:element name="teachingStart" type="CDMdateTime">

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- <xs:annotation>
  <xs:documentation>Information about the start of
  study</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="degree">
- <xs:annotation>
  <xs:documentation>Degree describes the qualification awarded by a
  higher education institution after successful completion of a
  prescribed study programme.</xs:documentation>
</xs:annotation>
- <xs:complexType mixed="true">
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="degree" type="degreeValueType"
  use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>
- <xs:element name="profession" type="infoBlockType">
- <xs:annotation>
  <xs:documentation>Learning outcomes, skills, job opportunities. What
  does the qualification give in terms of employment or professional
  practice.</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="studyQualification" type="infoBlockType">
- <xs:annotation>
  <xs:documentation>Qualification giving access to further
  study.</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="subProgram">
- <xs:annotation>
  <xs:documentation>Description of a sub-program, e.g. discipline (I
  Norge: eks. studieretning, spesialisering)</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:complexContent>
  <xs:extension base="programType" />
</xs:complexContent>
</xs:complexType>
</xs:element>
<!-- *** Course *** -->
- <xs:complexType name="courseType">
- <xs:annotation>
  <xs:documentation>Description of a course unit with curriculum, time
  schedule, teaching activities and exam.</xs:documentation>
</xs:annotation>
- <xs:sequence>
- <xs:element name="courseID" type="xs:token" minOccurs="0">
- <xs:annotation>

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    <xs:documentation>Shorthand identification of the course
    unit</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="courseName" type="textType">
  - <xs:annotation>
    <xs:documentation>Full name of the course
    unit</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="courseCode" minOccurs="0" maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>A course unit code according to a codification
    scheme. The choice of codification rule can be given by the
    attribute codeSet.</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:simpleContent>
      - <xs:extension base="xs:token">
        <xs:attribute name="codeSet" type="courseCodeValueSet"
        use="optional" />
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
<xs:element ref="webLink" minOccurs="0" />
- <xs:element name="courseDescription" type="infoBlockType"
  minOccurs="0">
  - <xs:annotation>
    <xs:documentation>A (short) general description of the course
    unit</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element ref="level" minOccurs="0" />
<xs:element ref="teachingTerm" minOccurs="0" />
<xs:element ref="credits" minOccurs="0" />
<xs:element ref="learningObjectives" minOccurs="0" />
<xs:element ref="admissionInfo" minOccurs="0" />
<xs:element ref="recommendedPrerequisites" minOccurs="0" />
<xs:element ref="formalPrerequisites" minOccurs="0" />
<xs:element ref="teachingPlace" minOccurs="0" />
<xs:element ref="targetGroup" minOccurs="0" />
<xs:element ref="formOfTeaching" minOccurs="0" />
<xs:element ref="formOfAssessment" minOccurs="0" />
- <xs:element name="benefits" type="infoBlockType" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Description of benefits, e.g. grants, available
    for students attending the course.</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element ref="instructionLanguage" minOccurs="0" />
- <xs:element name="overlap" type="infoBlockType" minOccurs="0">

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- <xs:annotation>
  <xs:documentation>Overlap, ex between
  courses.</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element ref="syllabus" minOccurs="0" />
<xs:element ref="expenses" minOccurs="0" />
<xs:element ref="universalAdjustment" minOccurs="0" />
- <xs:element name="exam" type="examType" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Description of the exam of the
    course</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="teachingActivity" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Description of the teaching activities of the
    course</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:complexContent>
      <xs:extension base="teachingActivityType" />
    </xs:complexContent>
  </xs:complexType>
</xs:element>
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
<xs:element ref="searchword" minOccurs="0" maxOccurs="unbounded" />
</xs:sequence>
<xs:attribute name="id" type="xs:ID" use="optional" />
<xs:attribute name="ident" type="xs:token" use="optional" />
<xs:attribute name="language" type="xs:language" use="optional" />
</xs:complexType>
- <xs:element name="course">
  - <xs:annotation>
    <xs:documentation>Description of a course (I Norge: emne, kurs, fag)
  </xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:complexContent>
      <xs:extension base="courseType" />
    </xs:complexContent>
  </xs:complexType>
</xs:element>
- <xs:element name="teachingTerm">
  - <xs:annotation>
    <xs:documentation>Information on when the course is held, ex every
    spring, year of study.</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">

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    <xs:attribute name="start" type="xs:token" use="optional" />
    <xs:attribute name="term" type="teachingTermValueType"
      use="optional" />
    <xs:attribute name="studyPace" type="studyPaceValueType"
      use="optional" />
    <xs:attribute name="timeOfDay" type="timeOfDayValueType"
      use="optional" />
  </xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>
- <xs:element name="credits">
  - <xs:annotation>
    <xs:documentation>Indication of the student workload as ECTS
      (European Credit Transfer System)-credits and/or as hours per week
      and/or as text.</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">
        <xs:attribute name="ECTScredits" type="xs:nonNegativeInteger"
          use="optional" />
        <xs:attribute name="hoursPerWeek"
          type="xs:nonNegativeInteger" use="optional" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>
- <xs:element name="formOfAssessment" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>How is the students assessed. The total range of
      written, oral and practical tests/examinations, projects and portfolios,
      used to evaluate the student's progress in the course unit or module,
      form an assessment. These measures may be used by the students to
      evaluate their own progress (formative assessment) or by the
      institution to judge whether the student has achieved the learning
      outcomes of the course unit or module (summative
      assessment).</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="instructionLanguage">
  - <xs:annotation>
    <xs:documentation>Main language of instruction</xs:documentation>
  </xs:annotation>
  - <xs:complexType mixed="true">
    - <xs:complexContent mixed="true">
      - <xs:extension base="infoBlockType">
        <xs:attribute name="teachingLang" type="xs:language"
          use="optional" />
      </xs:extension>
    </xs:complexContent>
  </xs:complexType>
</xs:element>

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- <xs:element name="syllabus" type="infoBlockType">
- <xs:annotation>
  <xs:documentation>Information on syllabus, ex books/literature
  prescribed for study. (This is a natural place to refer to LOM
  objects).</xs:documentation>
</xs:annotation>
</xs:element>
<!-- *** Exam *** -->
- <xs:element name="registrationDeadline" type="CDMdateTime">
- <xs:annotation>
  <xs:documentation>Deadline for registration to the study or
  exam</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="cancelDeadline" type="CDMdateTime">
- <xs:annotation>
  <xs:documentation>Deadline for cancelling any registration to the study
  or exam.</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="evaluationDeadline" type="CDMdateTime">
- <xs:annotation>
  <xs:documentation>Deadline for announcement of the results of the
  exam</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="examStart" type="CDMdateTime">
- <xs:annotation>
  <xs:documentation>Date and time for the start of the
  exam</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="examEnd" type="CDMdateTime">
- <xs:annotation>
  <xs:documentation>Date and time for the end of the
  exam</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="examLocation" type="CDMlocation">
- <xs:annotation>
  <xs:documentation>Location of the exam</xs:documentation>
</xs:annotation>
</xs:element>
<!-- *** Teaching activity *** -->
- <xs:complexType name="teachingActivityType">
- <xs:annotation>
  <xs:documentation>Information on how the teaching activity is
  organised, ex lecture, seminar, research seminar, exercise course,
  practical, laboratory work, guided personal study, tutorial,
  independent studies, internship, placement or 'stage', fieldwork,
  project work etc.</xs:documentation>
</xs:annotation>
- <xs:sequence>

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- <xs:element name="teachingActivityID" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Shorthand identification of the teaching
    activity</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="teachingActivityName" type="textType"
  minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Full name of the teaching
    activity</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element ref="admissionInfo" minOccurs="0" />
<xs:element ref="timetableElement" minOccurs="0"
  maxOccurs="unbounded" />
<xs:element ref="instructionLanguage" minOccurs="0" />
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
- <xs:element name="teachingActivityStructure" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Teaching activity part
    structure</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:sequence>
      - <xs:element name="partStructure" type="infoBlockType"
        minOccurs="0">
        - <xs:annotation>
          <xs:documentation>Description of relationships
          between the activity parts</xs:documentation>
        </xs:annotation>
      </xs:element>
      - <xs:element name="activityParts" type="teachingActivityType"
        minOccurs="0" maxOccurs="unbounded">
        - <xs:annotation>
          <xs:documentation>List of teaching activity
          parts</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:attribute name="activityPartStructure"
        type="partStructureValueType" use="optional" />
    </xs:complexType>
  </xs:element>
</xs:sequence>
<xs:attribute name="method" type="teachingActivityValueType"
  use="optional" />
<xs:attribute name="org" type="formOfTeachingOrgValueType"
  use="optional" />
<xs:attribute name="timeOfDay" type="timeOfDayValueType"
  use="optional" />
<xs:attribute name="userDefined" type="xs:token" use="optional" />

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    <xs:attribute name="duration" type="xs:duration" use="optional" />
  </xs:complexType>
  <!-- *** Timetable element *** -->
- <xs:complexType name="timetableType">
- <xs:annotation>
  <xs:documentation>Description of an entry in a time
  table</xs:documentation>
</xs:annotation>
- <xs:sequence>
- <xs:choice minOccurs="0">
- <xs:element name="recurringEvents">
- <xs:annotation>
  <xs:documentation>Events occurring many times in a
  period</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
- <xs:element name="occurrenceRule" minOccurs="0">
- <xs:annotation>
  <xs:documentation>Rule of the occurrences, e.g.
  each Monday</xs:documentation>
</xs:annotation>
- <xs:complexType mixed="true">
- <xs:complexContent mixed="true">
- <xs:extension base="infoBlockType">
  <xs:attribute name="weekday"
  type="xs:token" use="optional" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
</xs:element>
- <xs:element name="dateFrom" type="CDMdate"
  minOccurs="0">
- <xs:annotation>
  <xs:documentation>Start of
  period</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="dateTo" type="CDMdate"
  minOccurs="0">
- <xs:annotation>
  <xs:documentation>End of
  period</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="timeFrom" type="CDMtime"
  minOccurs="0">
- <xs:annotation>
  <xs:documentation>Time of the start of each event
  in the period</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="timeTo" type="CDMtime"

```



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minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Time of the end of each event in
    the period</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
- <xs:element name="singleEvent">
  - <xs:annotation>
    <xs:documentation>Start and end of a single
    event</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:sequence>
      - <xs:element name="start" type="CDMdateTime"
        minOccurs="0">
        - <xs:annotation>
          <xs:documentation>Time of the start of the
          event</xs:documentation>
        </xs:annotation>
      </xs:element>
      - <xs:element name="end" type="CDMdateTime"
        minOccurs="0">
        - <xs:annotation>
          <xs:documentation>Time of the end of the
          event</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
</xs:choice>
<xs:element ref="teachingPlace" minOccurs="0" />
<xs:element ref="contacts" minOccurs="0" />
<xs:element ref="infoBlock" minOccurs="0" />
</xs:sequence>
</xs:complexType>
- <xs:element name="timetableElement" type="timetableType">
  - <xs:annotation>
    <xs:documentation>Time table entry</xs:documentation>
  </xs:annotation>
</xs:element>
<!-- *** Person *** -->
- <xs:complexType name="personType">
  - <xs:annotation>
    <xs:documentation>Contact information of persons related to the
    accomplishment of courses.</xs:documentation>
  </xs:annotation>
  - <xs:sequence>
    - <xs:element name="personID" type="xs:token" minOccurs="0">

```

```

- <xs:annotation>
  <xs:documentation>Identification of the
  person</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="name">
- <xs:annotation>
  <xs:documentation>Name of the person</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
  - <xs:element name="given" type="xs:token">
    - <xs:annotation>
      <xs:documentation>Given name</xs:documentation>
    </xs:annotation>
  </xs:element>
  - <xs:element name="family" type="xs:token">
    - <xs:annotation>
      <xs:documentation>Family name</xs:documentation>
    </xs:annotation>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
- <xs:element name="title" type="textType" minOccurs="0">
- <xs:annotation>
  <xs:documentation>Title possessed by the
  person</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="role" type="textType" minOccurs="0"
  maxOccurs="unbounded">
- <xs:annotation>
  <xs:documentation>A person may have different roles in different
  contexts, e.g. lecturer.</xs:documentation>
</xs:annotation>
</xs:element>
<xs:element ref="contactData" minOccurs="0" maxOccurs="unbounded" />
<xs:element ref="infoBlock" minOccurs="0" />
</xs:sequence>
<xs:attribute name="id" type="xs:ID" use="optional" />
<xs:attribute name="ident" type="xs:token" use="optional" />
<xs:attribute name="language" type="xs:language" use="optional" />
</xs:complexType>
- <xs:element name="person">
- <xs:annotation>
  <xs:documentation>Information about a person</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:complexContent>
  <xs:extension base="personType" />
</xs:complexContent>

```

```

    </xs:complexType>
  </xs:element>
  <!-- *** Address and contact information*** -->
- <xs:element name="adr">
- <xs:annotation>
  <xs:documentation>The address used to deliver physical objects to this
  contact.</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
- <xs:element name="pobox" type="xs:token" minOccurs="0">
- <xs:annotation>
  <xs:documentation>The post office box number component of
  the address</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="extadr" type="xs:string" minOccurs="0">
- <xs:annotation>
  <xs:documentation>Extra address space. Any non-street
  components of the address e.g., suite number,
  etc</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="street" type="xs:string" minOccurs="0">
- <xs:annotation>
  <xs:documentation>The actual street
  address</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="locality" minOccurs="0">
- <xs:annotation>
  <xs:documentation>The locality component of the address e.g.,
  the City. Use attribute for County code.</xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:simpleContent>
- <xs:extension base="xs:token">
  <xs:attribute name="countyCode"
  type="xs:nonNegativeInteger" use="optional" />
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
- <xs:element name="region" type="xs:token" minOccurs="0">
- <xs:annotation>
  <xs:documentation>The region component of the address.
  State and Province are examples of
  Region</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="pcode" type="xs:token" minOccurs="0">
- <xs:annotation>
  <xs:documentation>The postal code component of the address.

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    This format varies from country to country.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="country" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>he country component of the address. The
    format is based upon ISO3166.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
- <xs:complexType name="contactDataType">
  - <xs:annotation>
    <xs:documentation>Information such as address, telephone, fax, email,
    URL etc. related to a given contact.</xs:documentation>
  </xs:annotation>
  - <xs:sequence>
    - <xs:element name="contactName" minOccurs="0">
      - <xs:annotation>
        <xs:documentation>The name relevant for this
        contact.</xs:documentation>
      </xs:annotation>
      - <xs:complexType mixed="true">
        - <xs:complexContent mixed="true">
          <xs:extension base="textType" />
        </xs:complexContent>
      </xs:complexType>
    </xs:element>
    <xs:element ref="adr" minOccurs="0" />
    - <xs:element name="visitHour" type="infoBlockType" minOccurs="0">
      - <xs:annotation>
        <xs:documentation>Information on when the contact is
        available.</xs:documentation>
      </xs:annotation>
    </xs:element>
    - <xs:element name="telephone" minOccurs="0" maxOccurs="unbounded">
      - <xs:annotation>
        <xs:documentation>The telephone numbers used for this contact.
        Attribute: mobil, home and office</xs:documentation>
      </xs:annotation>
      - <xs:complexType>
        - <xs:simpleContent>
          - <xs:extension base="xs:token">
            - <xs:attribute name="teltype" use="optional">
              - <xs:simpleType>
                - <xs:restriction base="xs:token">
                  <xs:enumeration value="mobile" />
                  <xs:enumeration value="office" />
                  <xs:enumeration value="home" />
                </xs:restriction>
              </xs:simpleType>
            </xs:attribute>
          </xs:extension>
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>

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        </xs:attribute>
        </xs:extension>
        </xs:simpleContent>
        </xs:complexType>
    </xs:element>
    - <xs:element name="fax" type="xs:token" minOccurs="0">
        - <xs:annotation>
            <xs:documentation>Fax number</xs:documentation>
        </xs:annotation>
        </xs:element>
        <xs:element ref="email" minOccurs="0" />
        <xs:element ref="webLink" minOccurs="0" />
        <xs:element ref="infoBlock" minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="userDefined" type="xs:token" use="optional" />
</xs:complexType>
- <xs:element name="contacts">
    - <xs:annotation>
        <xs:documentation>A set of contact information. A contact can be given
            by contact data (address, etc.), by indication of a person, by indication
            of a organisational unit, or by a textual
            description.</xs:documentation>
    </xs:annotation>
    - <xs:complexType>
        - <xs:choice minOccurs="0" maxOccurs="unbounded">
            <xs:element ref="contactData" minOccurs="0" />
            <xs:element ref="person" minOccurs="0" />
            <xs:element ref="refPerson" minOccurs="0" />
            <xs:element ref="refOrgUnit" minOccurs="0" />
            <xs:element ref="infoBlock" minOccurs="0" />
        </xs:choice>
    </xs:complexType>
</xs:element>
- <xs:element name="contactData" type="contactDataType">
    - <xs:annotation>
        <xs:documentation>Information such as address, telephone, fax, email,
            URL etc. related to a given contact.</xs:documentation>
    </xs:annotation>
</xs:element>
<!-- *** infoBlock *** -->
- <xs:complexType name="infoBlockType" mixed="true">
    - <xs:annotation>
        <xs:documentation>General type for various kind of
            information</xs:documentation>
    </xs:annotation>
    - <xs:sequence>
        - <xs:element name="header" type="xs:token" minOccurs="0">
            - <xs:annotation>
                <xs:documentation>Header text for this information
                    block</xs:documentation>
            </xs:annotation>
        </xs:element>

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- <xs:choice minOccurs="0" maxOccurs="unbounded">
- <xs:element name="bold" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text in bold</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="italic" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text in italic</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element ref="br">
  - <xs:annotation>
    <xs:documentation>Pagebreak element</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="list">
  - <xs:annotation>
    <xs:documentation>A list of items. The list can be bulleted or
      numbered</xs:documentation>
  </xs:annotation>
  - <xs:complexType>
    - <xs:sequence minOccurs="0" maxOccurs="unbounded">
      <xs:element name="listItem" type="infoBlockType" />
    </xs:sequence>
    - <xs:attribute name="listType" use="optional"
      default="bulleted">
      - <xs:simpleType>
        - <xs:restriction base="xs:token">
          <xs:enumeration value="bulleted" />
          <xs:enumeration value="numbered" />
        </xs:restriction>
      </xs:simpleType>
    </xs:attribute>
  </xs:complexType>
</xs:element>
<!-- Adds DT/SDTICE -->
- <xs:element name="strong" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text strong (type of decoration chosen by
      XSL or CSS)</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="emphasis" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text emphasis (type of decoration chosen
      by XSL or CSS)</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="superscript" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text superscript (type of decoration

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    chosen by XSL or CSS) </xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="subscript" type="xs:string">
  - <xs:annotation>
    <xs:documentation>Text subscript (type of decoration chosen
    by XSL or CSS)</xs:documentation>
  </xs:annotation>
</xs:element>
<!-- Adds DT/SDTICE -->
- <xs:element name="email" type="xs:token">
  - <xs:annotation>
    <xs:documentation>email address</xs:documentation>
  </xs:annotation>
</xs:element>
<xs:element ref="webLink" />
- <xs:choice>
  - <xs:annotation>
    <xs:documentation>A reference to a xxx-element based on
    application rules.</xs:documentation>
  </xs:annotation>
  <xs:element ref="refOrgUnit" />
  <xs:element ref="refProgram" />
  <xs:element ref="refCourse" />
  <xs:element ref="refPerson" />
</xs:choice>
- <xs:element name="picture" type="infoBlockType">
  - <xs:annotation>
    <xs:documentation>Picture, use attribute to refer to picture
    file and/or type text in the element.</xs:documentation>
  </xs:annotation>
</xs:element>
</xs:choice>
- <xs:element name="extension" type="xs:anyType" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>To ensure extensibility, the specification
    requires that there be no limit on potential extensions by use
    of the extension element. To be used for adding information to
    an existing XML structure.</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="subBlock" type="infoBlockType" minOccurs="0"
  maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>Nesting of information in sub-
    blocks</xs:documentation>
  </xs:annotation>
</xs:element>
- <xs:element name="altLangBlock" type="infoBlockType" minOccurs="0"
  maxOccurs="unbounded">
  - <xs:annotation>
    <xs:documentation>The information of this block expressed in
    other languages</xs:documentation>

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```

    </xs:annotation>
  </xs:element>
  <xs:element ref="searchword" minOccurs="0" maxOccurs="unbounded" />
</xs:sequence>
  <xs:attribute name="blockLang" type="xs:language" use="optional" />
  <xs:attribute name="userDefined" type="xs:token" use="optional" />
</xs:complexType>
- <xs:element name="infoBlock" type="infoBlockType">
- <xs:annotation>
  <xs:documentation>Miscellaneous information</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="br">
  <xs:complexType />
</xs:element>
- <xs:element name="email" type="xs:token">
- <xs:annotation>
  <xs:documentation>Email address</xs:documentation>
</xs:annotation>
</xs:element>
- <xs:element name="webLink">
- <xs:annotation>
  <xs:documentation>Link to a web page. Possible to describe the role of
    the web page such as home page and LOM (learning object metadata)
  </xs:documentation>
</xs:annotation>
- <xs:complexType>
- <xs:sequence>
  <xs:element ref="href" />
  - <xs:element name="linkName" type="xs:token" minOccurs="0">
  - <xs:annotation>
    <xs:documentation>Name of the web page</xs:documentation>
  </xs:annotation>
  </xs:element>
</xs:sequence>
- <xs:attribute name="role" use="optional">
- <xs:simpleType>
  - <xs:restriction base="xs:token">
    <xs:enumeration value="homepage" />
    <xs:enumeration value="learningObjectMetadata" />
  </xs:restriction>
</xs:simpleType>
</xs:attribute>
  <xs:attribute name="userDefined" type="xs:token" use="optional" />
</xs:complexType>
</xs:element>
- <xs:element name="href" type="xs:anyURI">
- <xs:annotation>
  <xs:documentation>URL, ex
    http://www.estandart.no</xs:documentation>
</xs:annotation>
</xs:element>

```



```

- <xs:element name="refOrgUnit">
- <xs:annotation>
  <xs:documentation>Reference to a orgUnit element</xs:documentation>
</xs:annotation>
- <xs:complexType>
  <xs:attribute name="idRef" type="xs:IDREF" use="optional" />
  <xs:attribute name="ref" type="xs:token" use="optional" />
</xs:complexType>
</xs:element>
- <xs:element name="refProgram">
- <xs:annotation>
  <xs:documentation>Reference to a program element</xs:documentation>
</xs:annotation>
- <xs:complexType>
  <xs:attribute name="idRef" type="xs:IDREF" use="optional" />
  <xs:attribute name="ref" type="xs:token" use="optional" />
</xs:complexType>
</xs:element>
- <xs:element name="refCourse">
- <xs:annotation>
  <xs:documentation>Reference to a course element</xs:documentation>
</xs:annotation>
- <xs:complexType>
  <xs:attribute name="idRef" type="xs:IDREF" use="optional" />
  <xs:attribute name="ref" type="xs:token" use="optional" />
</xs:complexType>
</xs:element>
- <xs:element name="refPerson">
- <xs:annotation>
  <xs:documentation>Reference to a person element</xs:documentation>
</xs:annotation>
- <xs:complexType>
  <xs:attribute name="idRef" type="xs:IDREF" use="optional" />
  <xs:attribute name="ref" type="xs:token" use="optional" />
  <xs:attribute name="role" type="xs:token" use="optional" />
</xs:complexType>
</xs:element>
- <xs:element name="searchword" type="xs:token">
- <xs:annotation>
  <xs:documentation>A search text that can be used to identify the
  enclosing element.</xs:documentation>
</xs:annotation>
</xs:element>
<!-- edited with XMLSpy Enterprise Edition v2007 (http://www.altova.com)
by Are Rikardsen, Utdanning.no (are@utdanning.no) -->
<!-- edited with Oxygen v 9.1 (http://www.altova.com) by Gérard Vidal,
SG/STSI/C3 (Gerard.Vidal@education.gouv.fr) -->
</xs:schema>

```