

Schema documentation for curso.xsd

november 30, 2017

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Namespace: "http://www.estg.ipp.pt/curso"

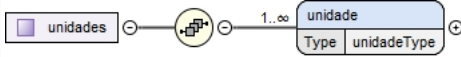
Schema(s)

Main schema curso.xsd

Namespace	http://www.estg.ipp.pt/curso		
Properties	attribute form default:	unqualified	
	element form default:	unqualified	

Complex Type(s)

Complex Type unidades

Namespace	http://www.estg.ipp.pt/curso		
Diagram			
Used by	Element	curso/unidades	
Model	unidade+		
Children	unidade		
Source	<pre><xs:complexType name="unidades"> <xs:sequence> <xs:element name="unidade" type="unidadeType" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType></pre>		

Complex Type unidadeType


Namespace	http://www.estg.ipp.pt/curso			
Diagram				
Used by	Element	unidades/unidade		
Model	nome , regente , docentes , ano , semestre , exames , Area_cientifica			
Children	Area_cientifica, ano, docentes, exames, nome, regente, semestre			
Attributes	QName	Type	Use	
	codigo	codType	required	
Source	<pre><xs:complexType name="unidadeType"> <xs:sequence> <xs:element name="nome" type="xs:string" /> <xs:element name="regente" type="d:Docente" /> <xs:element name="docentes" type="docentesType" /> <xs:element name="ano" type="xs:int" /> <xs:element name="semestre" type="semestreType" /> <xs:element name="exames" type="exameType" /> <xs:element name="Area_cientifica" type="areacientificaType" /> </xs:sequence> <xs:attribute name="codigo" type="d:codType" /> </xs:complexType></pre>			

```

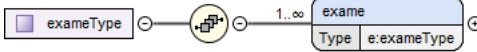
<xs:element name="docentes" type="docentesType" />
<xs:element name="ano" type="xs:int" />
<xs:element name="semestre" type="semestreType" />
<xs:element name="exames" type="exameType" />
<xs:element name="Area_cientifica" type="areacientificaType" />
</xs:sequence>
<xs:attribute name="codigo" type="d:codType" use="required" />
</xs:complexType>

```

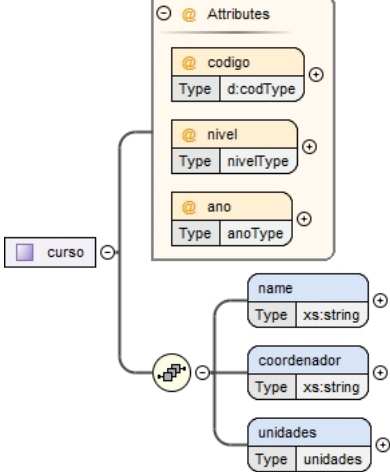
Complex Type docentesType

Namespace	http://www.estg.ipp.pt/curso
Diagram	
Used by	Element unidadeType/docentes
Model	docente+
Children	docente
Source	<pre> <xs:complexType name="docentesType"> <xs:sequence> <xs:element name="docente" type="d:Docente" minOccurs="1" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </pre>

Complex Type exameType

Namespace	http://www.estg.ipp.pt/curso
Diagram	
Used by	Element unidadeType/exames
Model	exame+
Children	exame
Source	<pre> <xs:complexType name="exameType"> <xs:sequence> <xs:element name="exame" type="e:exameType" maxOccurs="unbounded" /> </xs:sequence> </xs:complexType> </pre>

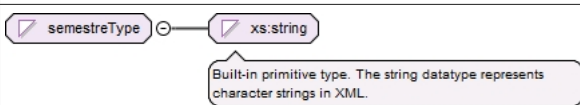
Complex Type curso

Namespace	http://www.estg.ipp.pt/curso			
Diagram				
Model	name , coordenador , unidades			
Children	coordenador, name, unidades			
Attributes	QName	Type	Use	
	ano	anoType	required	

	QName	Type	Use	
	codigo	codType	required	
	nivel	nivelType	required	
Source	<pre> <xs:complexType name="curso"> <xs:sequence> <xs:element name="name" type="xs:string" /> <xs:element name="coordenador" type="xs:string" /> <xs:element name="unidades" type="unidades" /> </xs:sequence> <xs:attribute name="codigo" type="d:codType" use="required" /> <xs:attribute name="nivel" type="nivelType" use="required" /> <xs:attribute name="ano" type="anoType" use="required" /> </xs:complexType> </pre>			

Simple Type(s)

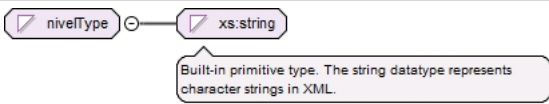
Simple Type semestreType

Namespace	http://www.estg.ipp.pt/curso		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	1	
	enumeration	2	
	enumeration	N/A	
Used by	Element	unidadeType/semestre	
Source	<pre><xs:simpleType name="semestreType"> <xs:restriction base="xs:string"> <xs:enumeration value="1" /> <xs:enumeration value="2" /> <xs:enumeration value="N/A" /> </xs:restriction> </xs:simpleType></pre>		

Simple Type areacientificaType

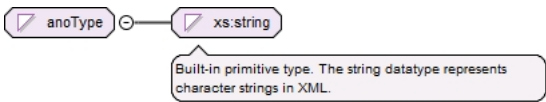
Namespace	http://www.estg.ipp.pt/curso		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	Informatica	
	enumeration	Ciencias	
	enumeration	Matematica	
Used by	Element	unidadeType/Area_cientifica	
Source	<pre><xs:simpleType name="areacientificaType"> <xs:restriction base="xs:string"> <xs:enumeration value="Informatica"/> <xs:enumeration value="Ciencias"/> <xs:enumeration value="Matematica"/> </xs:restriction> </xs:simpleType></pre>		

Simple Type nivelType

Namespace	http://www.estg.ipp.pt/curso		
Diagram			

Type	restriction of xs:string	
Facets	enumeration	CTeSP
	enumeration	Licenciatura
	enumeration	Mestrados
Used by	Attribute	curso/@nivel
Source	<pre><xs:simpleType name="nivelType"> <xs:restriction base="xs:string"> <xs:enumeration value="CTeSP"/> <xs:enumeration value="Licenciatura"/> <xs:enumeration value="Mestrados"/> </xs:restriction> </xs:simpleType></pre>	

Simple Type anoType

Namespace	http://www.estg.ipp.pt/curso	
Diagram		
Type	restriction of xs:string	
Facets	pattern	[0-9][0-9][0-9][0-9]/ [0-9][0-9][0-9][0-9]
Used by	Attribute	curso/@ano
Source	<pre><xs:simpleType name="anoType"> <xs:restriction base="xs:string"> <xs:pattern value="[0-9][0-9][0-9][0-9]/[0-9][0-9][0-9][0-9]" /> </xs:restriction> </xs:simpleType></pre>	

Namespace: "http://www.estg.ipp.pt/docente"

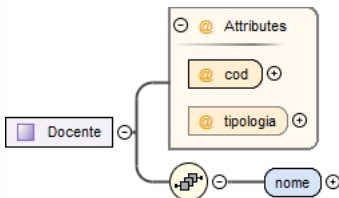
Schema(s)

Imported schema Docente.xsd

Namespace	http://www.estg.ipp.pt/docente	
Properties	attribute form default:	unqualified
	element form default:	unqualified

Complex Type(s)

Complex Type Docente

Namespace	http://www.estg.ipp.pt/docente			
Diagram				
Used by	Elements	docentesType/docente, exameType/Responsavel, unidadeType/regente		
Model	nome			
Children	nome			
Attributes	QName	Type	Use	
	cod	codType	required	

	QName	Type	Use	
	tipologia	tipologiaType	optional	
Source	<pre><xs:complexType name="Docente"> <xs:sequence> <xs:element name="nome" type="xs:string" /> </xs:sequence> <xs:attribute name="cod" type="codType" use="required" /> <xs:attribute name="tipologia" type="tipologiaType" /> </xs:complexType></pre>			

Simple Type(s)

Simple Type codType

Namespace	http://www.estg.ipp.pt/docente		
Diagram			
Type	restriction of xs:string		
Facets	minLength	1	
	maxLength	10	
Used by	Attributes	Docente/@cod, curso/@codigo, unidadeType/@codigo	
Source	<pre><xs:simpleType name="codType"> <xs:restriction base="xs:string"> <xs:minLength value="1" /> <xs:maxLength value="10" /> </xs:restriction> </xs:simpleType></pre>		

Simple Type tipologiaType

Namespace	http://www.estg.ipp.pt/docente		
Diagram			
Type	restriction of xs:string		
Facets	enumeration	T	
	enumeration	TP	
	enumeration	PL	
	enumeration	OT	
Used by	Attribute	Docente/@tipologia	
Source	<pre><xs:simpleType name="tipologiaType"> <xs:restriction base="xs:string"> <xs:enumeration value="T" /> <xs:enumeration value="TP" /> <xs:enumeration value="PL" /> <xs:enumeration value="OT" /> </xs:restriction> </xs:simpleType></pre>		

Namespace: "http://www.estg.ipp.pt/exame"

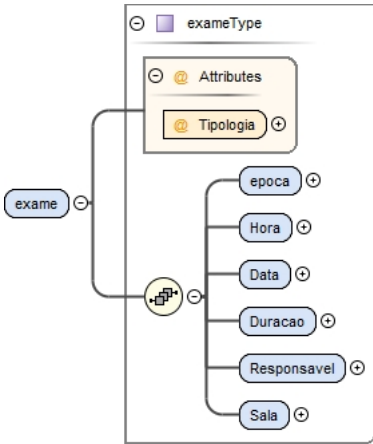
Schema(s)

Imported schema Examex.xsd

Namespace	http://www.estg.ipp.pt/exame		
Properties	attribute form default:	unqualified	
	element form default:	unqualified	

Element(s)

Element `exame`

Namespace	http://www.estg.ipp.pt/exame			
Diagram				
Type	exameType			
Properties	content:	complex		
Model	epoca , Hora , Data , Duracao , Responsavel , Sala			
Children	Data, Duracao, Hora, Responsavel, Sala, epoca			
Instance	<pre><exame Tipologia=" " xmlns="http://www.estg.ipp.pt/exame"> <epoca>{1,1}</epoca> <Hora>{1,1}</Hora> <Data>{1,1}</Data> <Duracao>{1,1}</Duracao> <Responsavel cod=" " tipologia=" ">{1,1}</Responsavel> <Sala>{1,1}</Sala> </exame></pre>			
Attributes	QName	Type	Use	
	Tipologia	avaliacaoType	required	
Source	<xs:element name="exame" type="exameType" />			

Complex Type(s)

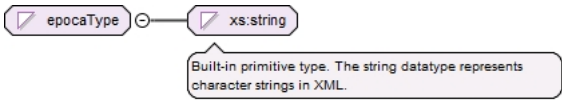
Complex Type `exameType`

Namespace	http://www.estg.ipp.pt/exame			
Diagram				
Used by	Elements	exame, exameType/exame		
Model	epoca , Hora , Data , Duracao , Responsavel , Sala			
Children	Data, Duracao, Hora, Responsavel, Sala, epoca			
Attributes	QName	Type	Use	
	Tipologia	avaliacaoType	required	

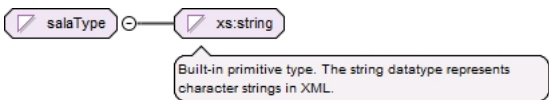
Source	<pre> <xs:complexType name="exametype"> <xs:sequence> <xs:element name="epoca" type="epocaType"/> <xs:element name="Hora" type="xs:time"/> <xs:element name="Data" type="xs:date"/> <xs:element name="Duracao" type="xs:duration"/> <xs:element name="Responsavel" type="d:Docente"/> <xs:element name="Sala" type="salaType"/> </xs:sequence> <xs:attribute name="Tipologia" type="avaliacaoType" use="required"/> </xs:complexType> </pre>
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Simple Type(s)

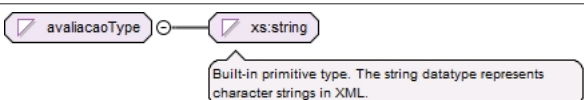
Simple Type epocaType

Namespace	http://www.estg.ipp.pt/exame						
Diagram							
Type	restriction of xs:string						
Facets	<table> <tr> <td>enumeration</td><td>Epoca_Normal</td></tr> <tr> <td>enumeration</td><td>Epoca_Recurso</td></tr> <tr> <td>enumeration</td><td>Epoca_Especial</td></tr> </table>	enumeration	Epoca_Normal	enumeration	Epoca_Recurso	enumeration	Epoca_Especial
enumeration	Epoca_Normal						
enumeration	Epoca_Recurso						
enumeration	Epoca_Especial						
Used by	Element exametype/epoca						
Source	<pre> <xs:simpleType name="epocaType"> <xs:restriction base="xs:string"> <xs:enumeration value="Epoca_Normal"/> <xs:enumeration value="Epoca_Recurso"/> <xs:enumeration value="Epoca_Especial"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type salaType

Namespace	http://www.estg.ipp.pt/exame				
Diagram					
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td><td>Normal</td></tr> <tr> <td>enumeration</td><td>Informatica</td></tr> </table>	enumeration	Normal	enumeration	Informatica
enumeration	Normal				
enumeration	Informatica				
Used by	Element exametype/Sala				
Source	<pre> <xs:simpleType name="salaType"> <xs:restriction base="xs:string"> <xs:enumeration value="Normal"/> <xs:enumeration value="Informatica"/> </xs:restriction> </xs:simpleType> </pre>				

Simple Type avaliacaoType

Namespace	http://www.estg.ipp.pt/exame				
Diagram					
Type	restriction of xs:string				
Facets	<table> <tr> <td>enumeration</td><td>T</td></tr> <tr> <td>enumeration</td><td>PL</td></tr> </table>	enumeration	T	enumeration	PL
enumeration	T				
enumeration	PL				

	enumeration	TP
	enumeration	OT
Used by	Attribute	exameType/@Tipologia
Source	<pre><xs:simpleType name="avaliacaoType"> <xs:restriction base="xs:string"> <xs:enumeration value="T" /> <xs:enumeration value="PL" /> <xs:enumeration value="TP" /> <xs:enumeration value="OT" /> </xs:restriction> </xs:simpleType></pre>	

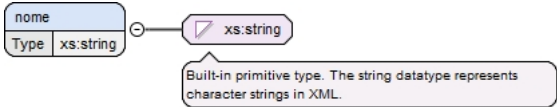
Namespace: ""

Element(s)

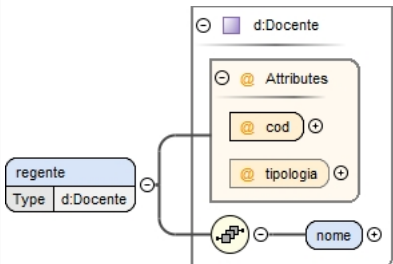
Element unidades / unidade

Namespace	No namespace									
Diagram										
Type	unidadeType									
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>1</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>				content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex									
minOccurs:	1									
maxOccurs:	unbounded									
Model	nome , regente , docentes , ano , semestre , exames , Area_cientifica									
Children	Area_cientifica, ano, docentes, exames, nome, regente, semestre									
Instance	<pre><unidade codigo=""> <nome>{1,1}</nome> <regente cod="" tipologia="">{1,1}</regente> <docentes>{1,1}</docentes> <ano>{1,1}</ano> <semestre>{1,1}</semestre> <exames>{1,1}</exames> <Area_cientifica>{1,1}</Area_cientifica> </unidade></pre>									
Attributes	QName	Type	Use							
	codigo	codType	required							
Source	<xs:element name="unidade" type="unidadeType" minOccurs="1" maxOccurs="unbounded"/>									

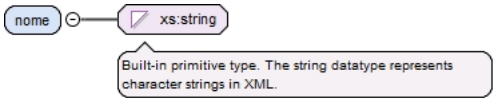
Element unidadeType / nome

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	<code><xs:element name="nome" type="xs:string"/></code>

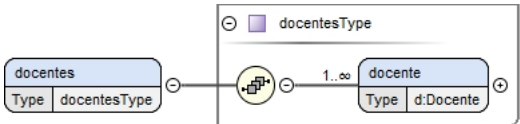
Element unidadeType / regente

Namespace	No namespace			
Diagram				
Type	Docente			
Properties	content:	complex		
Model	nome			
Children	nome			
Instance	<pre><regente cod="" tipologia=""> <nome>{1,1}</nome> </regente></pre>			
Attributes	QName	Type	Use	
	cod	codType	required	
	tipologia	tipologiaType	optional	
Source	<pre><xs:element name="regente" type="d:Docente"/></pre>			

Element Docente / nome

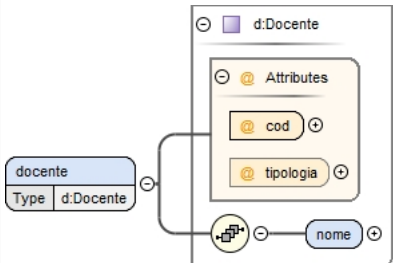
Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	<code><xs:element name="nome" type="xs:string"/></code>

Element unidadeType / docentes

Namespace	No namespace
Diagram	
Type	docentesType
Properties	content: complex

Model	docente+
Children	docente
Instance	<pre><docentes> <docente cod=" " tipologia=" ">{1,unbounded}</docente> </docentes></pre>
Source	<code><xs:element name="docentes" type="docentesType"/></code>

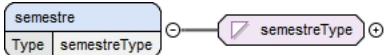
Element docentesType / docente

Namespace	No namespace			
Diagram				
Type	Docente			
Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	unbounded		
Model	nome			
Children	nome			
Instance	<pre><docente cod=" " tipologia=" "> <nome>{1,1}</nome> </docente></pre>			
Attributes	QName	Type	Use	
	cod	codType	required	
	tipologia	tipologiaType	optional	
Source	<pre><xs:element name="docente" type="d:Docente" minOccurs="1" maxOccurs="unbounded"/></pre>			

Element unidadeType / ano

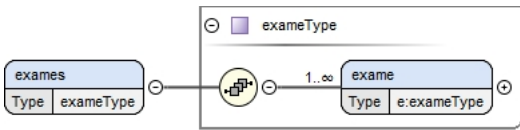
Namespace	No namespace
Diagram	
Type	xs:int
Properties	content: simple
Source	<code><xs:element name="ano" type="xs:int"/></code>

Element unidadeType / semestre

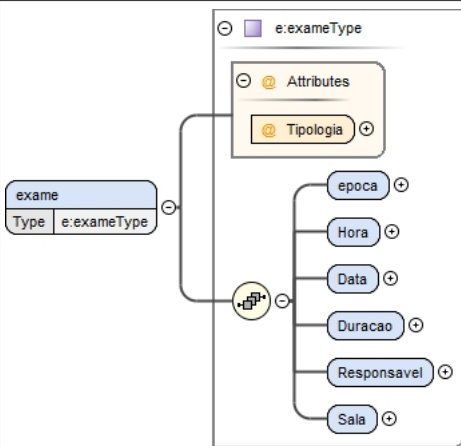
Namespace	No namespace			
Diagram				
Type	semestreType			
Properties	content:	simple		
Facets	enumeration	1		
	enumeration	2		
	enumeration	N/A		

Source	<code><xs:element name="semestre" type="semestreType" /></code>
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Element unidadeType / exames

Namespace	No namespace
Diagram	
Type	exameType
Properties	content: complex
Model	exame+
Children	exame
Instance	<pre><exames> <exame Tipologia="">{1,unbounded}</exame> </exames></pre>
Source	<code><xs:element name="exames" type="exameType" /></code>

Element exameType / exame

Namespace	No namespace			
Diagram				
Type	exameType			
Properties	content:	complex		
	maxOccurs:	unbounded		
Model	epoca , Hora , Data , Duracao , Responsavel , Sala			
Children	Data, Duracao, Hora, Responsavel, Sala, epoca			
Instance	<pre><exame Tipologia=""> <epoca>{1,1}</epoca> <Hora>{1,1}</Hora> <Data>{1,1}</Data> <Duracao>{1,1}</Duracao> <Responsavel cod="" tipologia="">{1,1}</Responsavel> <Sala>{1,1}</Sala> </exame></pre>			
Attributes	QName	Type	Use	
	Tipologia	avaliacaoType	required	
Source	<xs:element name="exame" type="e:exameType" maxOccurs="unbounded" />			

Element exameType / epoca

Namespace	No namespace
Diagram	

Type	epocaType	
Properties	content:	simple
Facets	enumeration	Epoca_Normal
	enumeration	Epoca_Recurso
	enumeration	Epoca_Especial
Source	<code><xs:element name="epoca" type="epocaType" /></code>	

Element examType / Hora

Namespace	No namespace	
Diagram		
Type	xs:time	
Properties	content:	simple
Source	<code><xs:element name="Hora" type="xs:time" /></code>	

Element examType / Data

Namespace	No namespace	
Diagram		
Type	xs:date	
Properties	content:	simple
Source	<code><xs:element name="Data" type="xs:date" /></code>	

Element examType / Duracao

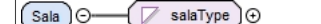
Namespace	No namespace	
Diagram		
Type	xs:duration	
Properties	content:	simple
Source	<code><xs:element name="Duracao" type="xs:duration" /></code>	

Element examType / Responsavel

Namespace	No namespace	
Diagram		
Type	Docente	
Properties	content:	complex
Model	nome	

Children	nome			
Instance	<pre><Responsavel cod="" tipologia=""> <nome>{1,1}</nome> </Responsavel></pre>			
Attributes	QName	Type	Use	
	cod	codType	required	
	tipologia	tipologiaType	optional	
Source	<pre><xs:element name="Responsavel" type="d:Docente" /></pre>			

Element exameType / Sala

Namespace	No namespace		
Diagram			
Type	salaType		
Properties	content:	simple	
Facets	enumeration	Normal	
	enumeration	Informatica	
Source	<xs:element name="Sala" type="salaType" />		


Element unidadeType / Area_cientifica

Namespace	No namespace		
Diagram	<p>The diagram shows a box labeled 'Area_cientifica' with a 'Type' attribute set to 'areacientificaType'. This box is connected by a line to a separate box labeled 'areacientificaType', which has a key icon, indicating it is a base type or has a key attribute.</p>		
Type	areacientificaType		
Properties	content:	simple	
Facets	enumeration	Informatica	
	enumeration	Ciencias	
	enumeration	Matematica	
Source	<xs:element name="Area_cientifica" type="areacientificaType"/>		

Element curso / name

Namespace	No namespace
Diagram	<div><div><div>name</div><div>Typexs:string</div></div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div>
Type	xs:string
Properties	content: simple
Source	<xs:element name="name" type="xs:string"/>

Element curso / coordenador

Namespace	No namespace
Diagram	<div><div><div>coordenador</div><div>Typexs:string</div></div><div></div><div><div>xs:string</div><div>Built-in primitive type. The string datatype represents character strings in XML.</div></div></div>
Type	xs:string
Properties	content: simple
Source	<xs:element name="coordenador" type="xs:string" />

Element curso / unidades

Namespace	No namespace
Diagram	
Type	unidades
Properties	content: complex
Model	unidade+
Children	unidade
Instance	<pre><unidades> <unidade codigo="">{1,unbounded}</unidade> </unidades></pre>
Source	<code><xs:element name="unidades" type="unidades"/></code>

Attribute(s)**Attribute Docente / @cod**

Namespace	No namespace				
Type	codType				
Properties	use: required				
Facets	<table> <tr> <td>minLength</td><td>1</td></tr> <tr> <td>maxLength</td><td>10</td></tr> </table>	minLength	1	maxLength	10
minLength	1				
maxLength	10				
Used by	Complex Type Docente				
Source	<code><xs:attribute name="cod" type="codType" use="required"/></code>				

Attribute Docente / @tipologia

Namespace	No namespace								
Type	tipologiaType								
Properties	content: simple								
Facets	<table> <tr> <td>enumeration</td><td>T</td></tr> <tr> <td>enumeration</td><td>TP</td></tr> <tr> <td>enumeration</td><td>PL</td></tr> <tr> <td>enumeration</td><td>OT</td></tr> </table>	enumeration	T	enumeration	TP	enumeration	PL	enumeration	OT
enumeration	T								
enumeration	TP								
enumeration	PL								
enumeration	OT								
Used by	Complex Type Docente								
Source	<code><xs:attribute name="tipologia" type="tipologiaType"/></code>								

Attribute exameType / @Tipologia

Namespace	No namespace								
Type	avaliacaoType								
Properties	use: required								
Facets	<table> <tr> <td>enumeration</td><td>T</td></tr> <tr> <td>enumeration</td><td>PL</td></tr> <tr> <td>enumeration</td><td>TP</td></tr> <tr> <td>enumeration</td><td>OT</td></tr> </table>	enumeration	T	enumeration	PL	enumeration	TP	enumeration	OT
enumeration	T								
enumeration	PL								
enumeration	TP								
enumeration	OT								
Used by	Complex Type exameType								
Source	<code><xs:attribute name="Tipologia" type="avaliacaoType" use="required"/></code>								

Attribute unidadeType / @codigo

Namespace	No namespace	
Type	codType	
Properties	use:	required
Facets	minLength	1
	maxLength	10
Used by	Complex Type	unidadeType
Source	<code><xs:attribute name="codigo" type="d:codType" use="required"/></code>	

Attribute curso / @codigo

Namespace	No namespace	
Type	codType	
Properties	use:	required
Facets	minLength	1
	maxLength	10
Used by	Complex Type	curso
Source	<code><xs:attribute name="codigo" type="d:codType" use="required"/></code>	

Attribute curso / @nivel

Namespace	No namespace	
Type	nivelType	
Properties	use:	required
Facets	enumeration	CTeSP
	enumeration	Licenciatura
	enumeration	Mestrados
Used by	Complex Type	curso
Source	<code><xs:attribute name="nivel" type="nivelType" use="required"/></code>	

Attribute curso / @ano

Namespace	No namespace	
Type	anoType	
Properties	use:	required
Facets	pattern	[0-9][0-9][0-9][0-9]/ [0-9][0-9][0-9][0-9]
Used by	Complex Type	curso
Source	<code><xs:attribute name="ano" type="anoType" use="required"/></code>	