Schema documentation for Exame.xsd

november 28, 2017

Table of Contents

Namespace: "http://www.estg.ipp.pt/exame" ... 2
- Schema(s) ... 2
  - Main schema Exame.xsd ... 2
- Element(s) ... 2
  - Element exame ... 2
- Complex Type(s) ... 3
  - Complex Type exameType ... 3
- Simple Type(s) ... 4
  - Simple Type epocaType ... 4
  - Simple Type salaType ... 4
  - Simple Type avaliacaoType ... 4

Namespace: "http://www.estg.ipp.pt/curso" ... 5
- Schema(s) ... 5
  - Imported schema curso.xsd ... 5
- Complex Type(s) ... 5
  - Complex Type unidades ... 5
  - Complex Type unidadeType ... 5
  - Complex Type docentesType ... 6
  - Complex Type exameType ... 6
  - Complex Type curso ... 6
- Simple Type(s) ... 7
  - Simple Type semestreType ... 7
  - Simple Type areacientificaType ... 8
  - Simple Type nivelType ... 8
  - Simple Type anoType ... 8

Namespace: "http://www.estg.ipp.pt/docente" ... 9
- Schema(s) ... 9
  - Imported schema Docente.xsd ... 9
- Complex Type(s) ... 9
  - Complex Type Docente ... 9
- Simple Type(s) ... 9
  - Simple Type codType ... 9
  - Simple Type tipologiaType ... 10

Namespace: "" ... 10
- Element(s) ... 10
  - Element exameType / epoca ... 10
  - Element exameType / Hora ... 10
  - Element exameType / Data ... 11
  - Element exameType / Duracao ... 11
  - Element exameType / Responsavel ... 11
  - Element Docente / nome ... 12
  - Element exameType / Sala ... 12
  - Element unidades / unidade ... 12
  - Element unidadeType / nome ... 13
  - Element unidadeType / regente ... 13
  - Element unidadeType / docentes ... 14
  - Element docentesType / docente ... 14
  - Element unidadeType / ano ... 15
  - Element unidadeType / semestre ... 15
  - Element unidadeType / exames ... 16
  - Element exameType / exame ... 16
  - Element unidadeType / Area_cientifica ... 17
  - Element curso / nome ... 17
  - Element curso / coordenador ... 17
  - Element curso / unidades ... 18
- Attribute(s) ... 18
  - Attribute Docente / @cod ... 18
  - Attribute Docente / @tipologia ... 18
  - Attribute exameType / @Tipologia ... 18
  - Attribute curso / @codigo ... 19
  - Attribute curso / @nivel ... 19
  - Attribute curso / @ano ... 19

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

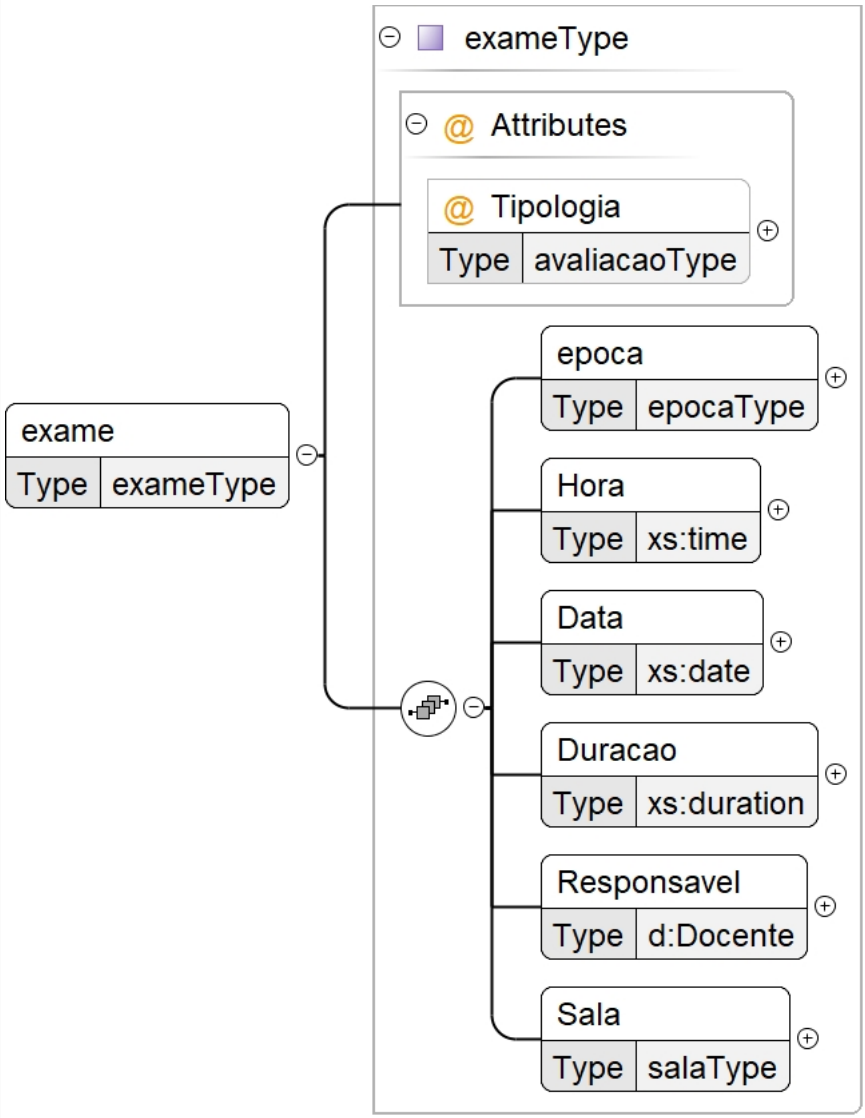
Schema(s)

Main schema `Exame.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	`<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>
```

Attributes

QName	Type	Use
Tipologia	avaliacaoType	optional

Source

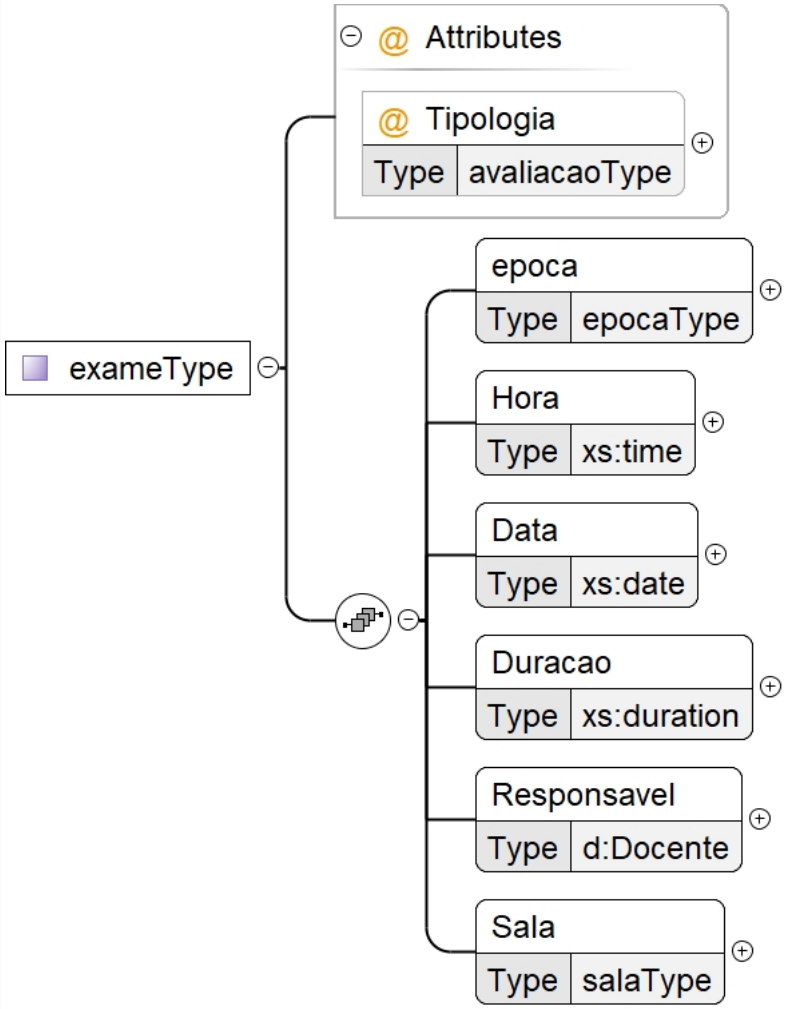
```
<xs:element name="exame" type="exameType"/>
```

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

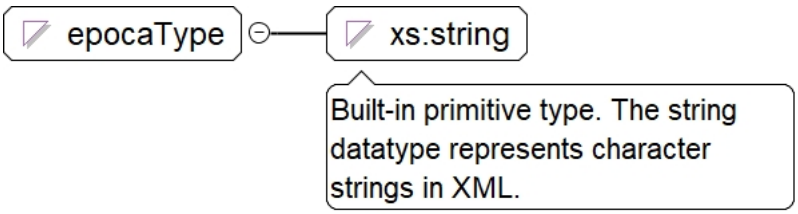
QName	Type	Use
Tipologia	avaliacaoType	optional

Source

```
<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"/>
</xs:complexType>
```

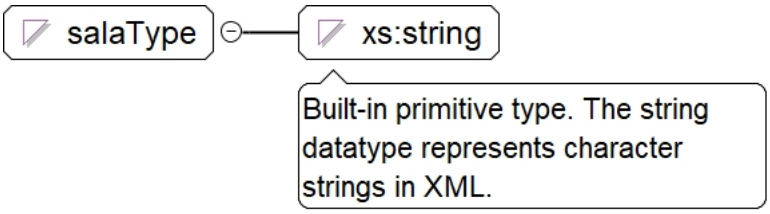
Simple Type(s)

Simple Type `epocaType`

Namespace	http://www.estg.ipp.pt/exame
Diagram	
Type	restriction of xs:string
Facets	enumeration `Epoca_Normal` enumeration `Epoca_Recurso` enumeration `Epoca_Especial`
Used by	Element exameType/epoca

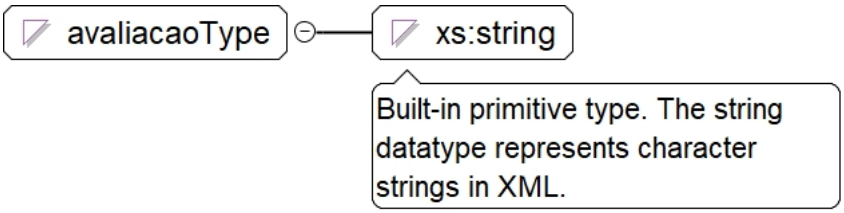
Source	`<xs:simpleType name="epocaType">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="Epoca_Normal"/>`
	`  <xs:enumeration value="Epoca_Recurso"/>`
	`  <xs:enumeration value="Epoca_Especial"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `salaType`

Namespace	http://www.estg.ipp.pt/exame
Diagram	
Type	restriction of xs:string
Facets	enumeration `Normal` enumeration `Informatica`
Used by	Element exameType/Sala

Source	`<xs:simpleType name="salaType">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="Normal"/>`
	`  <xs:enumeration value="Informatica"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `avaliacaoType`

Namespace	http://www.estg.ipp.pt/exame
Diagram	
Type	restriction of xs:string
Facets	enumeration `T`

	enumeration	PL
	enumeration	TP
	enumeration	OT
Used by	Attribute	exameType/@Tipologia

Source

```
<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>
```

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

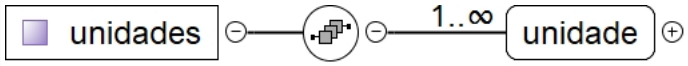
Schema(s)

Imported schema curso.xsd

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

Complex Type(s)

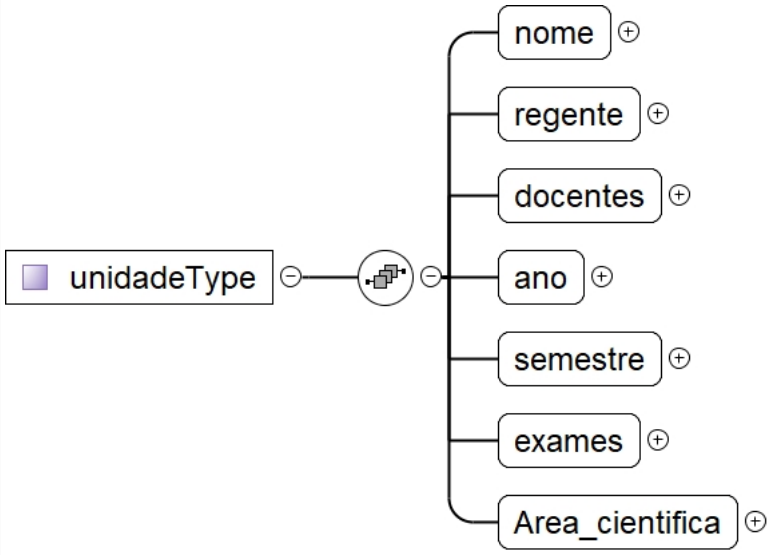
Complex Type unidades

Namespace	http://www.estg.ipp.pt/curso	
Diagram		
Used by	Element	curso/unidades
Model	unidade+	
Children	unidade	

Source

```
<xs:complexType name="unidades">
  <xs:sequence>
    <xs:element name="unidade" type="unidadeType" minOccurs="1" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

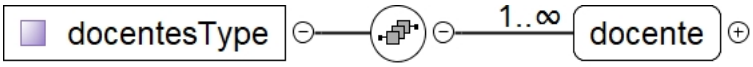
Complex Type unidadeType

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

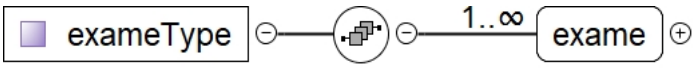
Source	`<xs:complexType name="unidadeType">`
	`  <xs:sequence>`
	`  <xs:element name="nome" type="xs:string"/>`
	`  <xs:element name="regente" type="d:Docente"/>`
	`  <xs:element name="docentes" type="docentesType"/>`
	`  <xs:element name="ano" type="xs:int"/>`
	`  <xs:element name="semestre" type="semestreType"/>`
	`  <xs:element name="exames" type="exameType"/>`
	`  <xs:element name="Area_cientifica" type="areacientificaType"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type docentesType

Namespace	http://www.estg.ipp.pt/curso
Diagram	
Used by	Element unidadeType/docentes
Model	docente+
Children	docente

Source	`<xs:complexType name="docentesType">`
	`  <xs:sequence>`
	`  <xs:element name="docente" type="d:Docente" minOccurs="1" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

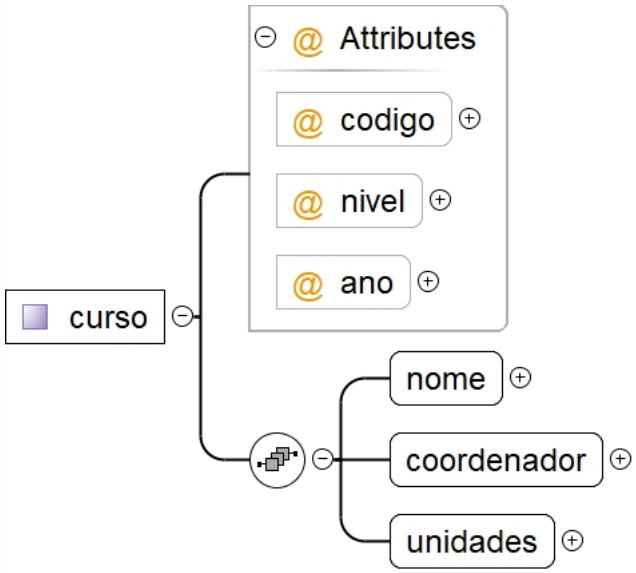
Complex Type exameType

Namespace	http://www.estg.ipp.pt/curso
Diagram	
Used by	Element unidadeType/exames
Model	exame+
Children	exame

Source	`<xs:complexType name="exameType">`
	`  <xs:sequence>`
	`  <xs:element name="exame" type="e:exameType" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type curso

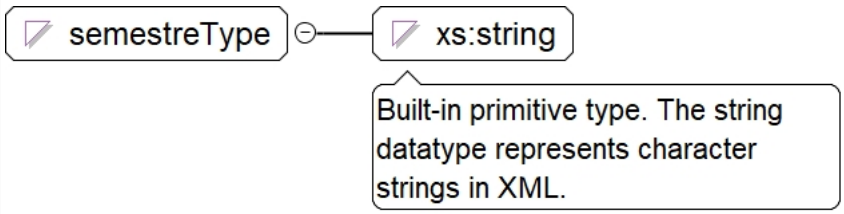
Namespace	http://www.estg.ipp.pt/curso

Diagram	
Model	nome , coordenador , unidades
Children	coordenador, nome, unidades
Attributes	**QName** / **Type** / **Use** **ano** / anoType / optional **codigo** / codType / optional **nivel** / nivelType / optional

Source	`<xs:complexType name="curso">`
	`  <xs:sequence>`
	`  <xs:element name="nome" 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"/>`
	`  <xs:attribute name="nivel" type="nivelType"/>`
	`  <xs:attribute name="ano" type="anoType"/>`
	`</xs:complexType>`

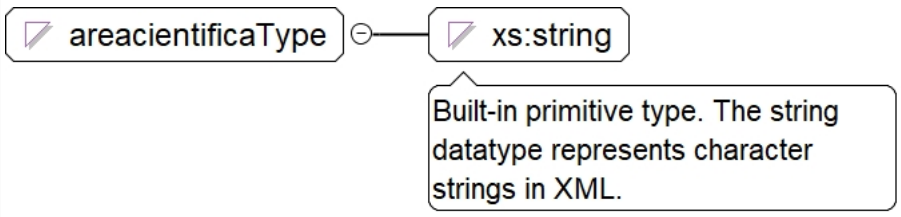
Simple Type(s)

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

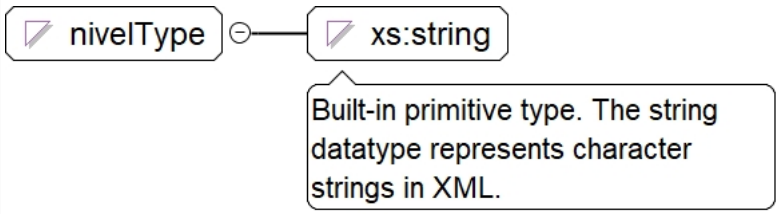
Source	`<xs:simpleType name="semestreType">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="1"/>`
	`  <xs:enumeration value="2"/>`
	`  <xs:enumeration value="N/A"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

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

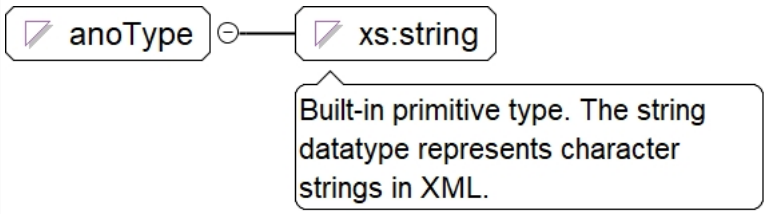
Source	`<xs:simpleType name="areacientificaType">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="Informatica"/>`
	`  <xs:enumeration value="Ciencias"/>`
	`  <xs:enumeration value="Matematica"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

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	`<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>`

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	`<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>`

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

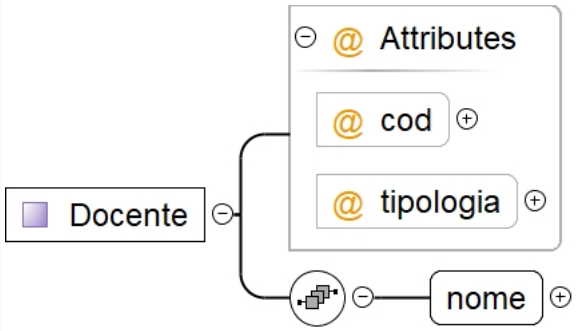
Schema(s)

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`

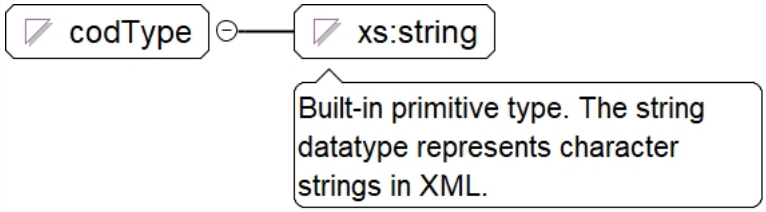
Namespace	http://www.estg.ipp.pt/docente
Diagram	
Used by	Elements docentesType/docente, exameType/Responsavel, unidadeType/regente
Model	nome
Children	nome
Attributes	

QName	Type	Use
cod	codType	optional
tipologia	tipologiaType	optional

```
<xs:complexType name="Docente">
  <xs:sequence>
    <xs:element name="nome" type="xs:string"/>
  </xs:sequence>
  <xs:attribute name="cod" type="codType"/>
  <xs:attribute name="tipologia" type="tipologiaType"/>
</xs:complexType>
```

Simple Type(s)

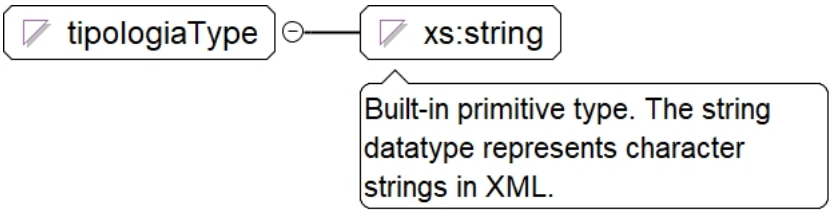
Simple Type `codType`

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

Source	`<xs:simpleType name="codType">`
	`  <xs:restriction base="xs:string">`
	`  <xs:minLength value="1"/>`
	`  <xs:maxLength value="10"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `tipologiaType`

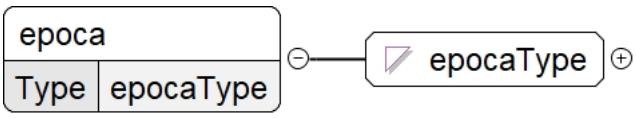
Namespace	http://www.estg.ipp.pt/docente
Diagram	
Type	restriction of xs:string
Facets	enumeration `T` enumeration `TP` enumeration `PL` enumeration `OT`
Used by	Attribute Docente/@tipologia

Source	`<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>`

Namespace: ""

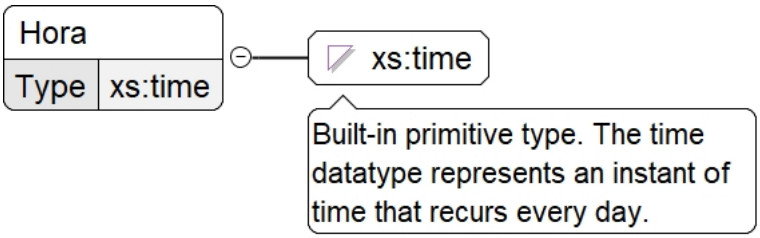
Element(s)

Element `exameType / epoca`

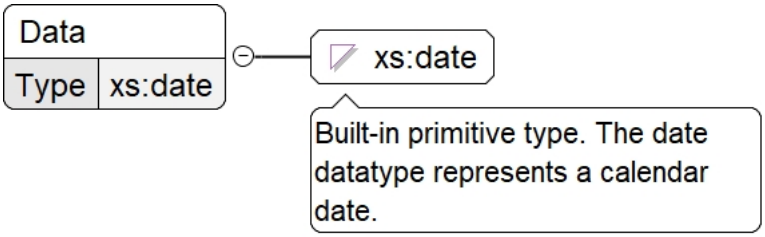
Namespace	No namespace
Diagram	
Type	epocaType
Properties	content: `simple`
Facets	enumeration `Epoca_Normal` enumeration `Epoca_Recurso` enumeration `Epoca_Especial`
Source	`<xs:element name="epoca" type="epocaType"/>`

Element `exameType / Hora`

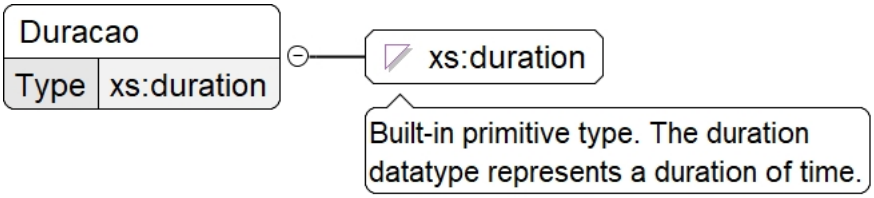
Namespace	No namespace

Diagram	
Type	xs:time
Properties	content: simple
Source	`<xs:element name="Hora" type="xs:time"/>`

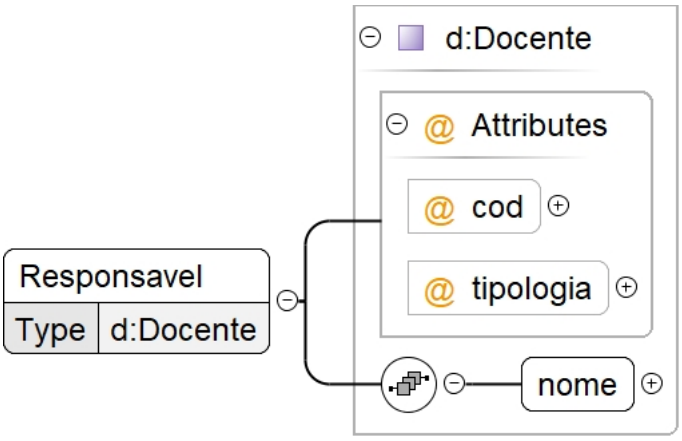
Element exameType / Data

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

Element exameType / Duracao

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

Element exameType / Responsavel

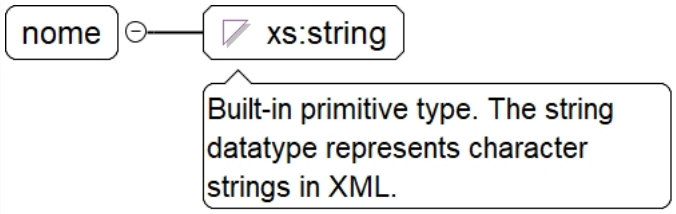
Namespace	No namespace
Diagram	

Type	Docente
Properties	content: complex
Model	nome
Children	nome

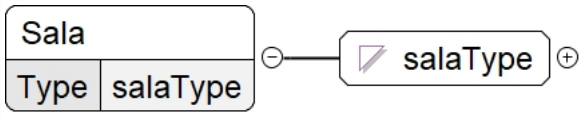
Instance	`<Responsavel cod="" tipologia="">`
	`  <nome>{1,1}</nome>`
	`</Responsavel>`

Attributes	**QName** / **Type** / **Use** **cod** / codType / optional **tipologia** / tipologiaType / optional
Source	`<xs:element name="Responsavel" type="d:Docente"/>`

Element Docente / nome

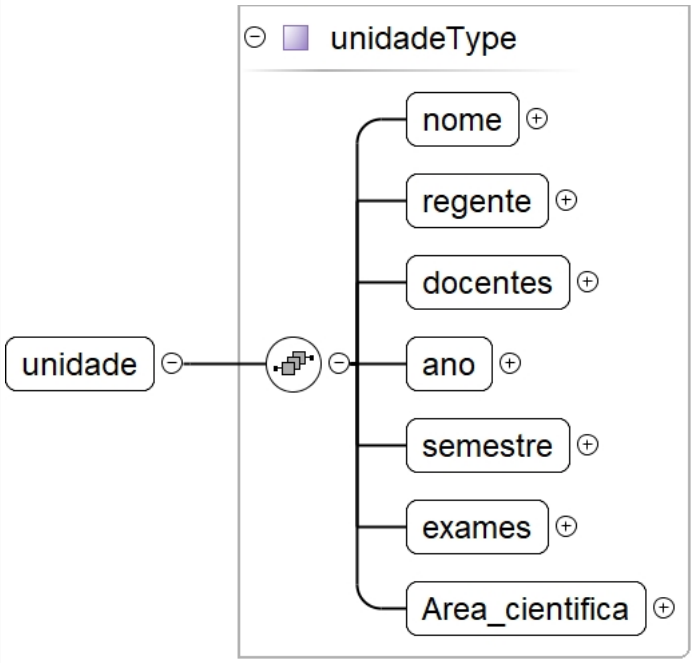
Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	`<xs:element name="nome" type="xs:string"/>`

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 unidades / unidade

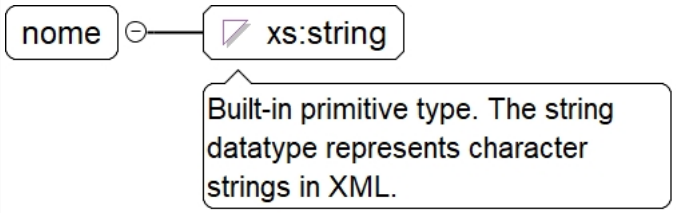
Namespace	No namespace

Diagram	
Type	unidadeType
Properties	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	`<unidade>`
	`  <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>`

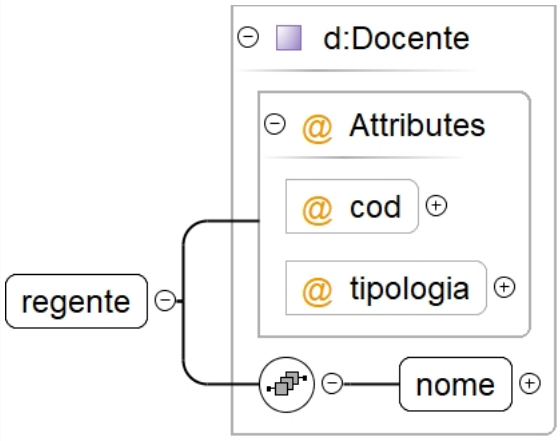
Source	`<xs:element name="unidade" type="unidadeType" minOccurs="1" maxOccurs="unbounded"/>`

Element unidadeType / nome

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

Element unidadeType / regente

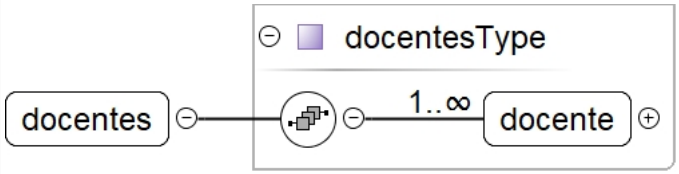
Namespace	No namespace

Diagram	
Type	Docente
Properties	content: complex
Model	nome
Children	nome

Instance	`<regente cod="" tipologia="">`
	`  <nome>{1,1}</nome>`
	`</regente>`

Attributes	**QName** / **Type** / **Use** **cod** / codType / optional **tipologia** / tipologiaType / optional
Source	`<xs:element name="regente" type="d:Docente"/>`

Element unidadeType / docentes

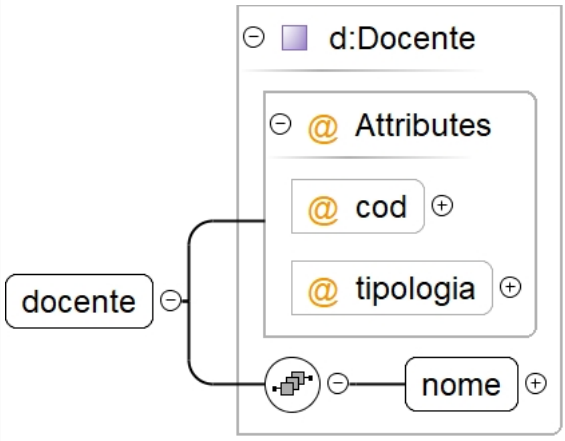
Namespace	No namespace
Diagram	
Type	docentesType
Properties	content: complex
Model	docente+
Children	docente

Instance	`<docentes>`
	`  <docente cod="" tipologia="">{1,unbounded}</docente>`
	`</docentes>`

Source	`<xs:element name="docentes" type="docentesType"/>`

Element docentesType / docente

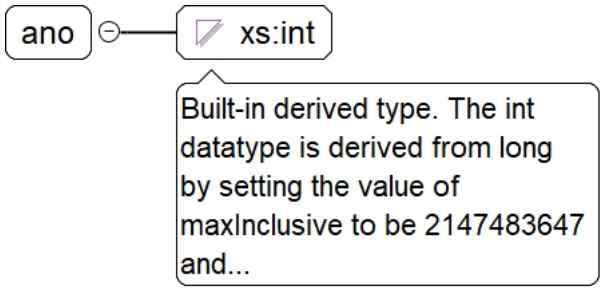
Namespace	No namespace

Diagram	
Type	Docente
Properties	content: `complex` minOccurs: `1` maxOccurs: `unbounded`
Model	nome
Children	nome

Instance	`<docente cod="" tipologia="">`
	`  <nome>{1,1}</nome>`
	`</docente>`

Attributes	**QName** / **Type** / **Use** **cod** / codType / optional **tipologia** / tipologiaType / optional
Source	`<xs:element name="docente" type="d:Docente" minOccurs="1" maxOccurs="unbounded"/>`

Element unidadeType / ano

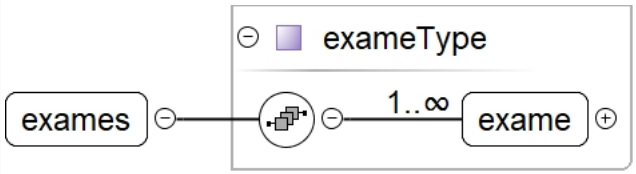
Namespace	No namespace
Diagram	
Type	xs:int
Properties	content: `simple`
Source	`<xs:element name="ano" type="xs:int"/>`

Element unidadeType / semestre

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

Source	`<xs:element name="semestre" type="semestreType"/>`

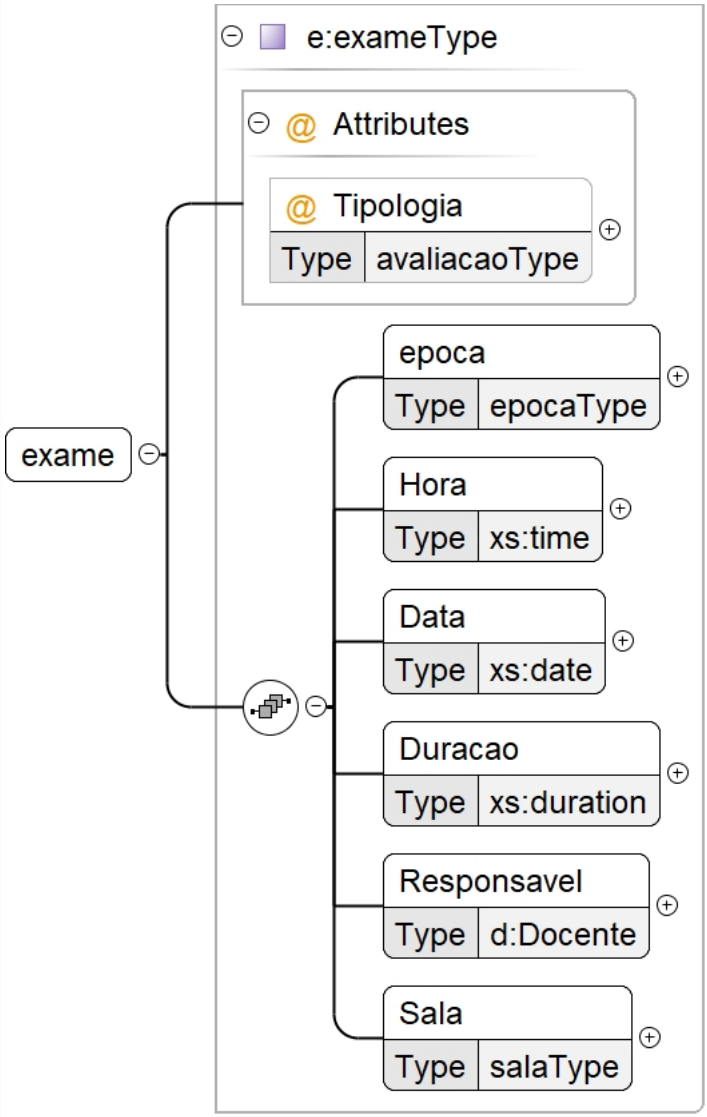
Element unidadeType / exames

Namespace	No namespace
Diagram	
Type	exameType
Properties	content: complex
Model	exame+
Children	exame

Instance	`<exames>`
	`  <exame Tipologia="">{1,unbounded}</exame>`
	`</exames>`

Source	`<xs:element name="exames" type="exameType"/>`

Element exameType / exame

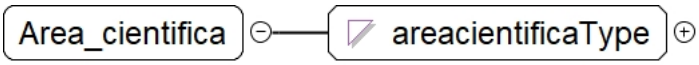
Namespace	No namespace
Diagram	

Type	exameType
Properties	content: complex maxOccurs: unbounded
Model	epoca , Hora , Data , Duracao , Responsavel , Sala
Children	Data, Duracao, Hora, Responsavel, Sala, epoca

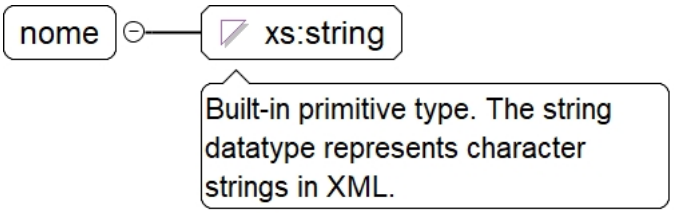
Instance	`<exame Tipologia="">`
	`  <epoca>{1,1}</epoca>`
	`  <Hora>{1,1}</Hora>`
	`  <Data>{1,1}</Data>`
	`  <Duracao>{1,1}</Duracao>`
	`  <Responsavel cod="" tipologia="">{1,1}</Responsavel>`
	`  <Sala>{1,1}</Sala>`
	`</exame>`

Attributes	**QName** / **Type** / **Use** **Tipologia** / avaliacaoType / optional
Source	`<xs:element name="exame" type="e:exameType" maxOccurs="unbounded"/>`

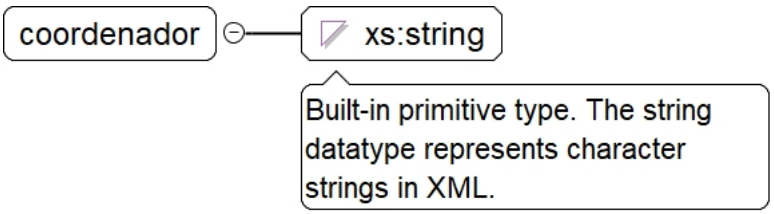
Element unidadeType / Area_cientifica

Namespace	No namespace
Diagram	
Type	areacientificaType
Properties	content: simple
Facets	enumeration: Informatica enumeration: Ciencias enumeration: Matematica
Source	`<xs:element name="Area_cientifica" type="areacientificaType"/>`

Element curso / nome

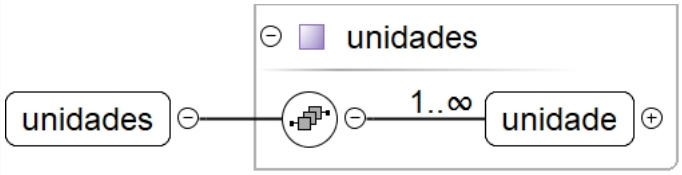
Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	`<xs:element name="nome" type="xs:string"/>`

Element curso / coordenador

Namespace	No namespace
Diagram	
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	`<unidades>`
	`  <unidade>{1,unbounded}</unidade>`
	`</unidades>`

Source	`<xs:element name="unidades" type="unidades"/>`

Attribute(s)

Attribute `Docente / @cod`

Namespace	No namespace	
Type	codType	
Properties	content:	`simple`
Facets	minLength	`1`
	maxLength	`10`
Used by	Complex Type	Docente
Source	`<xs:attribute name="cod" type="codType"/>`	

Attribute `Docente / @tipologia`

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

Attribute `exameType / @Tipologia`

Namespace	No namespace	
Type	avaliacaoType	
Properties	content:	`simple`
Facets	enumeration	`T`
	enumeration	`PL`
	enumeration	`TP`
	enumeration	`OT`

Used by	Complex Type	exameType
Source	`<xs:attribute name="Tipologia" type="avaliacaoType"/>`	

Attribute `curso / @codigo`

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

Attribute `curso / @nivel`

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

Attribute `curso / @ano`

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