

Ambient functions may be overloaded by specifying multiple ambient function declarations with the same name, but it is an error to declare multiple overloads that are considered identical (section 3.8.2) or differ only in their return types.

Ambient function declarations cannot specify a function bodies and do not permit default parameter values.

12.1.3 Ambient Class Declarations

An ambient class declaration declares a class instance type and a constructor function in the containing module.

AmbientClassDeclaration:

```
class Identifier TypeParametersopt ClassHeritage { AmbientClassBody }
```

AmbientClassBody:

```
AmbientClassBodyElementsopt
```

AmbientClassBodyElements:

```
AmbientClassBodyElement
```

```
AmbientClassBodyElements AmbientClassBodyElement
```

AmbientClassBodyElement:

```
AmbientConstructorDeclaration
```

```
AmbientPropertyMemberDeclaration
```

```
IndexSignature
```

AmbientConstructorDeclaration:

```
constructor ( ParameterListopt ) ;
```

AmbientPropertyMemberDeclaration:

```
PublicOrPrivateopt staticopt PropertyName TypeAnnotationopt ;
```

```
PublicOrPrivateopt staticopt PropertyName CallSignature ;
```

12.1.4 Ambient Enum Declarations

An ambient enum declaration declares an enum type and an enum object in the containing module.

AmbientEnumDeclaration:

```
enum Identifier { AmbientEnumBodyopt }
```

AmbientEnumBody:

```
AmbientEnumMemberList ,opt
```

AmbientEnumMemberList:

```
AmbientEnumMember
```

```
AmbientEnumMemberList , AmbientEnumMember
```