

```

<prog> ==> <elementList>
<elementList> ==> ε
    | <element>
    | <element> <elementList>
<element> ==> <beginCourse> <classList> <endCourse>
    | <beginConstraint> <itemList> <endConstraint>
<beginCourse> ==> tOPEN tCOURSE <courseAttrList> tCLOSE
<endCourse> ==> tEND tCOURSE tCLOSE
<courseAttrList> ==> <courseAttr>
    | <courseAttr> <courseAttrList>
<courseAttr> ==> tCODE tSTRING
    | tNAME tSTRING
    | tType tSTRING

<classList> ==> <class>
    | <class> <classList>
<class> ==> <beginClass> <meetingList> <endClass>
<beginClass> ==> tOPEN tCLASS <classAttrList> tCLOSE
<endClass> ==> tEND tCLASS tCLOSE
<classAttrList> ==> <classAttr>
    | <classAttr> <classAttrList>
<classAttr> ==> tSECTION tSTRING
    | tINSTRUCTOR tSTRING
    | tCRN tNUM
    | tCAPACITY tNUM
<meetingList> ==> <meeting> | <meeting> <meetingList>
<meeting> ==> <beginMeeting> <meetingAttrList> <endMeeting>
<beginMeeting> ==> tOPEN tMEETING
<endMeeting> ==> tSELF
<meetingAttrList> ==> <meetingAttr>
    | <meetingAttr> <meetingAttrList>
<meetingAttr> ==> tSTART tTIME
    | tEND_A tTIME
    | tDAY <day>
<day> ==> tMON | tTUE | tWED | tTHU | tFRI

<beginConstraint> ==> tOPEN tCONSTRAINT tCLOSE
<itemList> ==> <item>
    | <item> <itemList>
<endConstraint> ==> tEND tCONSTRAINT tCLOSE
<item> ==> <beginItem> <itemAttr> <endItem>
<beginItem> ==> tOPEN tITEM
<itemAttr> ==> tCODE tSTRING | tCRN tNUM
<endItem> ==> tSELF

```