CS305 – Programming Languages
HW2

\<prog> ==> \<elementList>

\<elementList> ==> \<element> \<elementList> | \<element> | ε

\<element> ==> \<beginCourse> \<classList> \<endCourse> | \<beginConstraint> \<itemList> \<endConstraint>

\<beginCourse> ==> tOPEN tCOURSE \<courseAttrList> tCLOSE

\<courseAttrList> ==> \<courseAttr> \<courseAttrList> | \<courseAttr>

\<courseAttr> ==> tCODE tSTRING | tNAME tSTRING | tTYPE tSTRING

\<classList> ==> \<class> \<classList> | \<class>

\<class> ==> \<beginClass> \<meetingList> \<endClass>

\<beginClass> ==> tOPEN tCLASS \<classAttrList> tCLOSE

\<classAttrList> ==> \<classAttr> \<classAttrList> | \<classAttr>

\<classAttr> ==> tSECTION tSTRING | tINSTRUCTOR tSTRING | tCRN tNUM | tCAPACITY tNUM

\<meetingList> ==> \<meeting> \<meetingList> | \<meeting>

\<meeting> ==> \<beginMeeting> \<meetingAttrList> \<endMeeting>

\<beginMeeting> ==> tOPEN tMEETING

\<meetingAttrList> ==> \<meetingAttr> \<meetingAttrList> | \<meetingAttr>

\<meetingAttr> ==> tSTART tTIME | tEND_A tTIME | tDAY \<day>

\<day> ==> tMON | tTUE | tWED | tTHU | tFRI

\<endMeeting> ==> tSELF

\<endClass> ==> tEND tCLASS tCLOSE

\<endCourse> ==> tEND tCOURSE tCLOSE

\<beginConstraint> ==> tOPEN tCONSTRAINT tCLOSE

\<itemList> ==> \<item> \<itemList> | \<item>

\<item> ==> \<beginItem> \<itemAttr> \<endItem>

\<beginItem> ==> tOPEN tITEM

\<itemAttr> ==> tCODE tSTRING | tCRN tNUM

\<endItem> ==> tSELF

\<endConstraint> ==> tEND tCONSTRAINT tCLOSE