CLASS 1-3	CHAPTERS 1-2,	1/22 : 1/29
CLASS 3	ASSIGNMENT #1	1/29
CLASS 4	**QUIZ 1**	**2/2**
CLASS 4-7	CHAPTER 3	2/2 : 2/12
CLASS 7	ASSIGNMENT #2	2/12
CLASS 8	**QUIZ 2 (ONLY QUIZ, NO CLASS)**	**2/23**
CLASS 9-11	CHAPTERS 4-5	2/26 : 3/5
CLASS 11	ASSIGNMENT #3	3/5
CLASS 12	**QUIZ 3**	**3/9**
CLASS 12-14	CHAPTER 6 (PRINT, FREQ, MEANS)	3/9 : 3/16
CLASS 14	ASSIGNMENT #4	3/16
CLASS 15	**QUIZ 4**	**3/19**
CLASS 15-16	PART OF CHAPTER 7 (TO PAGE 136)	3/19 : 3/23
CLASS 16	ASSIGNMENT #5	3/23
CLASS 17	**QUIZ 5**	**3/26**
CLASS 17-19	CHAPTERS 7-8	3/26 : 4/2
CLASS 19	ASSIGNMENT #6	4/2
CLASS 20	**QUIZ 6**	**4/6**
CLASS 20-22	CHAPTERS 9-10	4/6 : 4/20
CLASS 22	ASSIGNMENTS #7, #8	4/20
CLASS 23	**QUIZ 7**	**4/23**
CLASS 23-25	CHAPTER 11, "LOOSE ENDS"	4/23 : 4/30
CLASS 25	ASSIGNMENT #9	4/30
CLASS 26	**QUIZ 8**	**5/4**
OPTIONAL FINAL	**REGULAR CLASS TIME**	**5/11**

GRADE BASED ON QUIZZES
IF YOU TAKE THE FINAL, THROW OUT ONE QUIZ
30 (OR 35)% OF GRADE BASED ON FINAL + 70 (OR 65)% OF GRADE BASED ON
QUIZZES ... WHATEVER COMBINATION GIVES THE HIGHEST GRADE

EXTRA STUFF

REPLACE NEW PAGE WITH A SINGLE CHARACTER (YOU'LL GET A ROW OF
THESE CHARACTERS RATHER THAN A NEW PAGE -> SAVES PAPER)

```
options formdlim = '-';
```

LEFT-JUSTIFY SAS OUTPUT

```
options nocenter;
```

TO RESET

```
options formdlim = '';          that's 2 consecutive quotes
                                with nothing in between

options center;
```

TO GET RID OF ALL THE TITLE STATEMENTS YOU MAY HAVE ENTERED

```
title;
```

TO GET RID OF SAS-SUPPLED EXTRA TITLES SUCH AS ...

```
THE MEANS PROCEDURE
```

```
ods noproctitle;
```

FIRSTOBS AND OBS GLOBAL STATEMENT OPTIONS

in addition to the FIRSTOBS and OBS INFILE and data set options covered in the
notes, you can also use FIRSTOBS and OBS in a GLOBAL OPTIONS statement ... the
examples use a SAS-supplied data set that has 19 observations

remember that the default values are ... FIRSTOBS=1, OBS=MAX

```
title 'DATA SET SASHELP.CLASS';
proc print data=sashelp.class;
run;

* use a GLOBAL OPTIONS statement and set FIRSTOBS and OBS values;

options firstobs=11 obs=15;

title 'OPTIONS STATEMENT USED - FIRSTOBS=11 OBS=15';
proc print data=sashelp.class;
run;

proc means data=sashelp.class;
run;

* override the GLOBAL OPTION with a DATA SET OPTION;

title 'OPTIONS STATEMENT USED - FIRSTOBS=11 OBS=15 AND OBS=MAX DATA SET OPTION';
proc print data=sashelp.class (obs=max);
run;

proc means data=sashelp.class (obs=max);
run;

* reset the GLOBAL OPTION for OBS to MAX;

options obs=max;

title 'OPTIONS STATEMENT USED - RESET LAST OBSERVATION WITH OBS=MAX';
proc print data=sashelp.class;
run;

* reset the GLOBAL OPTION for FIRSTOBS to 1;

options firstobs=1;

title 'OPTIONS STATEMENT USED - RESET FIRST OBSERVATION WITH FIRSTOBS=1';
proc print data=sashelp.class;
run;

proc means data=sashelp.class;
run;
```

IF VERSUS WHERE WITH A NEW VARIABLE IN A DATA STEP

these examples should be added to the discussion of WHERE versus IF at then end of chapter 4 in the notes ... given a data set with gestation in days, create a new data set with only those observations less than 37 weeks gestation (less than 259 days)

```
* some test data - gestaTion in days;

data test;
input ges @@;
datalines;
140 196 208 210 211 245 246 280 281 253 257 258 259
;
run;

title 'ORIGINAL DATA';
proc print data=test;
run;
```

```
ORIGINAL DATA

 Obs     ges

  1      140
  2      196
  3      208
  4      210
  5      211
  6      245
  7      246
  8      280
  9      281
 10      253
 11      257
 12      258
 13      259
```

```
data new;
set test;
gwk = ges/7;
if gwk lt 37;
format gwk 3.;
run;

title1 'GESTATION LESS THAN 37 WEEKS';
title2 'IF GWK LT 37; (ROUND GWK WITH FORMAT 3.)';
proc print data=new;
run;
```

```
        GESTATION LESS THAN 37 WEEKS
IF GWK LT 37; (ROUND GWK WITH FORMAT 3.)

     Obs     ges     gwk

      1      140      20
      2      196      28
      3      208      30
      4      210      30
      5      211      30
      6      245      35
      7      246      35
      8      253      36
      9      257      37
     10      258      37
```

```
*
use the INT function to select
only the integer portion of GWK
drop the decimal places, do not round
;

data new;
set test;
gwk = int(ges/7);
if gwk lt 37;
run;

title1 'GESTATION LESS THAN 37 WEEKS';
title2 'IF GWK LT 37; (TRUNCATE GWK WITH INT FUNCTION)';
proc print data=new;
run;
```

```
          GESTATION LESS THAN 37 WEEKS
IF GWK LT 37; (TRUNCATE GWK WITH INT FUNCTION)

     Obs     ges     gwk

      1      140      20
      2      196      28
      3      208      29
      4      210      30
      5      211      30
      6      245      35
      7      246      35
      8      253      36
      9      257      36
     10      258      36
```

```
*
WHERE statement DOES NOT work since GWK is NOT in the data set TEST
where gwk lt 37
;

data new;
set test;
gwk = int(ges/7);
where gwk lt 37;
run;
```

```
760   data new;
761   set test;
762   gwk = int(ges/7);
763   where gwk lt 37;
ERROR: Variable gwk is not on file WORK.TEST.
764   run;
```

```
*
this WHERE statement WORKS since GES is in
the data set TEST
where ges lt 259;
;

data new;
set test;
gwk = int(ges/7);
where ges lt 259;
run;

title1 'GESTATION LESS THAN 37 WEEKS';
title2 'WHERE GES LT 259; (TRUNCATE GWK WITH INT FUNCTION)';
proc print data=new;
run;
```

```
            GESTATION LESS THAN 37 WEEKS
   WHERE GES LT 259; (TRUNCATE GWK WITH INT FUNCTION)

        Obs     ges     gwk

         1      140      20
         2      196      28
         3      208      29
         4      210      30
         5      211      30
         6      245      35
         7      246      35
         8      253      36
         9      257      36
        10      258      36
```

```
*
this WHERE statement WORKS since GES is in
the data set TEST
where ges/7 lt 37;
;

data new;
set test;
gwk = int(ges/7);
where ges/7 lt 37;
run;

title1 'GESTATION LESS THAN 37 WEEKS';
title2 'WHERE GES/7 LT 37; (TRUNCATE GWK WITH INT FUNCTION)';
proc print data=new;
run;
```

```
            GESTATION LESS THAN 37 WEEKS
   WHERE GES/7 LT 37; (TRUNCATE GWK WITH INT FUNCTION)

        Obs     ges     gwk

         1      140      20
         2      196      28
         3      208      29
         4      210      30
         5      211      30
         6      245      35
         7      246      35
         8      253      36
         9      257      36
        10      258      36
```