

Welsh Medium Premium – extraction of data from HESA Student/Module Record

```
*****
* Algorithm for institutions to use with INSTANCE record merged with STUDENT *
* ON MODULE, MODULE and MODULESUBJECT records *
* Example for use with 2008/09 HESA data for 2010/11 funding *
*****
```

```
*****
* Please also refer to guidance given in circular Higher Education Data Requirements *
* 2008/09 (W09/12HE) and further guidance in supplement found on HEFCW website *
* http://www.hefcw.ac.uk/working\_with\_he\_providers/data\_collection/funding\_calculations.aspx *
*****
```

```
*****
* 1. Extract eligible students *
* variables taken from HESA record are in upper case of the form ENTITY.FIELDNAME) *
* *
*****
```

```
*****
* Notes *
* ne means not equals *
* proc means procedure *
* =: means begins with *
*****
```

```
data popn;
set hesa;
```

```
where INSTANCE.FUNDCODE = '1' and
       INSTANCE.FESTUMK ne '3' and
       INSTANCE.EXCHANGE not in ('1','2','3','4','6') and
       INSTANCE.MODE in ('01','02','23','24','25','31','52','53','73','74') and
       COURSE.COURSEAIM in (all C codes, all E codes, all H codes, all I codes, all J codes,
                           all M codes);
```

```
*****
* 2. Only include students active between 1 August 2008 and 31 July 2009 *
* and not in the final academic year of a non-standard academic year course *
*****
```

```
if INSTANCE.TYPEYR = '1' and
   INSTANCE.COMDATE <='31Jul2009'd and
   (INSTANCE.ENDDATE >='1Aug2008'd or INSTANCE.ENDDATE = ' ') then count=1;
```

```
if INSTANCE.TYPEYR='2' and
   INSTANCE.ENDDATE <='31Jul2009'd and
   INSTANCE.ENDDATE ne ' ' and
   INSTANCE.ENDDATE > (AVDATE+14) then count=1;
```

```
*****
*AVDATE is anniversary of INSTANCE.COMDATE in 2008/09*
*****
```

```
if INSTANCE.TYPEYR='2' and
```

```

INSTANCE.ENDDATE <= '31Jul2009'd and
INSTANCE.ENDDATE ne ' ' and
INSTANCE.ENDDATE <= (AVDATE+14) then do;
    if INSTANCE.UNITLGTH = '3' and INSTANCE.SPLENGTH in ('01','02') or
       INSTANCE.UNITLGTH = '4' and INSTANCE.SPLENGTH in ('01' to '14') or
       INSTANCE.UNITLGTH = '5' and INSTANCE.SPLENGTH in ('01' to '42') then
        count=1;

if     INSTANCE.TYPEYR='2' and
      INSTANCE.COMDATE <='31Jul2009'd and
      INSTANCE.ENDDATE = ' ' then count=1;

```

```
if count ne 1 then delete;
```

```

*****
* 3. Delete Welsh Language or Literature modules (counted if part of ITT course) *
*****

```

```
if COURSE.TTCID = '0' and MODULESUBJECT.MODSUBJ in ('Q560','Q561') then delete;
```

```

*****
* 4. Select modules with some element of teaching through the medium of Welsh *
*****

```

```
if MODULE.MODLANG ne '1' then delete;
```

```

*****
* 5. Categorise modules into ASCs using MODULESUBJECT.MODSUBJ *
* =: means begins with *
*****

```

```
if COURSE.TTCID = '1' then asc = '11a';          *** ITT (QTS) ****
```

```

else if COURSE.TTCID = '0' then do;
  if MODULESUBJECT.MODSUBJ = 'A1' then asc = '1a';
  else if MODULESUBJECT.MODSUBJ = 'A3' then asc = '1b';
  else if MODULESUBJECT.MODSUBJ = 'A2' then asc = '1c';
  else if MODULESUBJECT.MODSUBJ = 'A4' then asc = '1d';
  else if MODULESUBJECT.MODSUBJ = 'L5' then asc = '2';
  else if MODULESUBJECT.MODSUBJ = 'B' and
     MODULESUBJECT.MODSUBJ not = 'B2' then asc = '2';
  else if MODULESUBJECT.MODSUBJ = 'F' or
     MODULESUBJECT.MODSUBJ = 'C' or
     MODULESUBJECT.MODSUBJ = 'D' or
     MODULESUBJECT.MODSUBJ = 'B2' then asc = '3';
  else if MODULESUBJECT.MODSUBJ = 'H' or
     MODULESUBJECT.MODSUBJ = 'J' then asc = '4';
  else if MODULESUBJECT.MODSUBJ = 'K' then asc = '5';
  else if MODULESUBJECT.MODSUBJ = 'G' or
     MODULESUBJECT.MODSUBJ = 'L140' then asc = '6';
  else if MODULESUBJECT.MODSUBJ = 'N' then asc = '7';
  else if MODULESUBJECT.MODSUBJ = 'L' or
     MODULESUBJECT.MODSUBJ = 'M' and
     MODULESUBJECT.MODSUBJ not = 'L5' or
     MODULESUBJECT.MODSUBJ not = 'L140' then asc = '8';
  else if MODULESUBJECT.MODSUBJ = 'P' or

```

```

MODULESUBJECT.MODSUBJ =:'Q' or
MODULESUBJECT.MODSUBJ =:'R' or
MODULESUBJECT.MODSUBJ =:'T' or
MODULESUBJECT.MODSUBJ =:'V' or
MODULESUBJECT.MODSUBJ = 'W8' then asc = '9';
else if MODULESUBJECT.MODSUBJ =: 'W' and
MODULESUBJECT.MODSUBJ not=: 'W8' then asc = '10';
else if MODULESUBJECT.MODSUBJ =: 'X' then asc = '11b';
end;

```

```

else asc='11b';

```

```

*****
* 6. Select which subject area to base calculations on *
* Where a module is coded with more than one subject, the subject with *
* the highest proportion using MODULESUBJECT.MODSBJP will be used. *
* If the proportions of the module subjects are equal, the one that attracts *
* the highest Unit of Funding (based on relativities using 2009/10 Units of *
* Funding published in W09/08HE) will be used. *
*****

```

```

*****
* 7. Categorise students into mode of study ('FT' and 'PT') and *
* qualification aim of the course ('UG', 'PG') *
* derived using INSTANCE.MODE and COURSE.COURSEAIM *
*****

```

```

*****
* 8. Calculate notional credits taught through Welsh using credit value of module *
* and MODULE.LANGPCNT. *
* Module counted for premium if notional credits taught through the medium *
* of Welsh (wmcred) is greater than 2 *
*****

```

```

wmcred= MODULE.CRDTPTS*(MODULE.LANGPCNT/100);

```

```

*****
* 9. Summarise to get number of enrolments on the module (frequency), *
* total fte in Welsh (totwfte) [included for comparison with previous years] *
* and total notional credit values taught through the medium of Welsh *
* (wmcred) by institution, module, ASC, mode, level, proportion of the *
* module taught in Welsh and crdtpts of the module. *
* Welsh language/literature modules are excluded. *
*****

```

```

proc summary;
by institution MODULE.MODID MODULE.MTITLE asc mod level
MODULESUBJECT.MODSBJ MODULE.LANGPCNT FTE wmcred;
var wfte wmcred;
output out=welprem (keep=frequency) sum=totwfte wmcred;

```