Embracing different semiotic modes in undergraduate assignments

Conference or Workshop Item

How to cite:

© 2012 The Author

Version: Accepted Manuscript

Copyright and Moral Rights for the articles on this site are retained by the individual authors and/or other copyright owners. For more information on Open Research Online’s data policy on reuse of materials please consult the policies page.
Embracing different semiotic modes in undergraduate assignments

Maria Leedham  
m.e.leedham@open.ac.uk

WDHE 2012
1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
Outline

1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
Background: Framing in academic literacies

Deficit approach

• student writing is ‘remedial’, ‘immature’ and contains ‘problems’ or ‘errors’ - especially L2 English student writing (Chen and Baker, 2010; Paquot, 2010)

Vs.

Academic literacies approach

• writing within the academy is a set of social practices in which genre, context and culture are highly significant

• highlights ‘the variety and specificity of institutional practices, and students’ struggles to make sense of these’ (Lea and Street, 2006: 376).

• *All* student writers are in a constant struggle to establish the preferred ways of making meaning within their particular context (e.g. Lillis, 2006).
Background: Undergraduate assignments

• high-stakes, occluded and under-researched

• from monolithic to research on disciplinary differences (e.g. Hewings, 1999; Hyland, 2008).

• increasing awareness of range of genres required at UG level. (Leedham, 2009; Nesi & Gardner, 2006).

• rise in new genres – (e.g. e-posters, reflective blogs, website evaluations, press releases).

‘unprecedented amount of innovation in assessment’ (Gibbs, 2006:20).
Outline

1. Background

2. **Corpus data and methods**

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
Corpus data

British Academic Written English (BAWE)

- **6.5 million** words
- **2,761** assignments
- **1,039** writers
- **30+** disciplines
- Variety of L1s
- All proficient writing

The corpora for this study

- L1 English & L1 Chinese UG texts from BAWE & beyond
- 5 disciplines

  =>

  - 104 texts from Chinese students
  - 295 texts from British students

  *Plus* insights from lecturer interviews

ESRC project number
RES-000-23-0800
Methods

1. Corpus linguistic keywords and counts
2. Comparison of pairs of assignments
3. BAWE lecturer interviews
Outline

1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
# Keywords relating to visuals and lists

<table>
<thead>
<tr>
<th>L1 discipline</th>
<th>Chi-Biol</th>
<th>Chi-Bus</th>
<th>Chi-Econ</th>
<th>Chi-Engin</th>
<th>Chi-Food</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selected keywords</td>
<td>#</td>
<td>growth</td>
<td>#</td>
<td>curve</td>
<td>curve</td>
</tr>
<tr>
<td>table</td>
<td>curve</td>
<td>eq.</td>
<td>referring</td>
<td>referring</td>
<td>statistical</td>
</tr>
<tr>
<td>data</td>
<td>refer</td>
<td>according</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>equation</td>
<td>model</td>
<td>figure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>figure</td>
<td>per</td>
<td></td>
<td></td>
<td></td>
<td>deviation</td>
</tr>
<tr>
<td>graph</td>
<td>output</td>
<td></td>
<td></td>
<td></td>
<td>numbers</td>
</tr>
</tbody>
</table>
Keywords relating to visuals and lists

Biology
• All "Phases" are labeled on the graph. The curve of the Exponential Phase was straight, though some point lay outside this best straight line of fit (0041a).

Economics
• Actually the total loss resulting from the lower monopoly output (Q M) is the grey triangle. The part of the grey triangle above P C is the loss of consumer surplus (6008q).

Engineering
• According to the program and refer to the figure 4.1.1, it is easy to find… (6107d).

Food Science
• According to the 3 sets of data calculated above… (6150d).
Photograph 9 – Tree shrew pollinating the male flower

[Attenborough, 1995]

<table>
<thead>
<tr>
<th>Carbon Content %</th>
<th>Classification</th>
<th>General for weld or use applicability</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.3-0.4</td>
<td>Low Carbon Steel</td>
<td>General for weld</td>
</tr>
<tr>
<td>0.3-0.7</td>
<td>Medium Carbon Steel</td>
<td>Used for nuts, shafts</td>
</tr>
<tr>
<td>0.7-1.7</td>
<td>High Carbon Steel</td>
<td>Use applicability</td>
</tr>
</tbody>
</table>

Table 1
Lists and ‘listlikes’

Sales promotion:
- Monthly promotions, according to customer sales and current interest
- Discounts for bulk orders
- Free P&P on orders over £25, encouraging bulk buying
- Discounts for new businesses using us for the first time, on condition they use us for a minimum of two more orders

Public relations:
- User friendly website
- Easy search tools within website, enabling you to find the exact bulb you want even for the engineering minded
- Extensive “Help” and “FAQ” pages
- 12hour guaranteed reply to email queries

Conclusions

The experiment yielded the following conclusions:

- The efficiency of a single stage centrifugal pump at high pump speed (3000 RPM) is better than it at low pump speed (2000 RPM).
- The input power with high pump speed increases faster than the one with low pump speed as discharge increases.
- The relationship between total head and discharge is not affected by pump speed, but higher pump speed provides higher total head.
Counts of visual and list items

<table>
<thead>
<tr>
<th></th>
<th>Tables</th>
<th>Figures</th>
<th>Lists</th>
<th>Listlikes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chi-Biol</td>
<td>15****</td>
<td>25****</td>
<td>1</td>
<td>4</td>
</tr>
<tr>
<td>Eng-Biol</td>
<td>5</td>
<td>13</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>Chi-Econ</td>
<td>1</td>
<td>14****</td>
<td>2*</td>
<td>25****</td>
</tr>
<tr>
<td>Eng-Econ</td>
<td>0</td>
<td>12</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Chi-Bus</td>
<td>2</td>
<td>2</td>
<td>6*</td>
<td>129****</td>
</tr>
<tr>
<td>Eng-Bus</td>
<td>6**</td>
<td>6**</td>
<td>3</td>
<td>23</td>
</tr>
<tr>
<td>Chi-Food</td>
<td>20*</td>
<td>6</td>
<td>5</td>
<td>82****</td>
</tr>
<tr>
<td>Eng-Food</td>
<td>14</td>
<td>6</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td>Chi-Engin</td>
<td>10*</td>
<td>21</td>
<td>7</td>
<td>53****</td>
</tr>
<tr>
<td>Eng-Engin</td>
<td>7</td>
<td>21</td>
<td>10</td>
<td>24</td>
</tr>
</tbody>
</table>

per 10,000 words

* p<.05  
** p<.01  
**** p<.0001
Outline

1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
The role of maternal effect genes in the development of the nematode *Caenorhabditis elegans*

**ABSTRACT**

*Caenorhabditis elegans* (C. elegans) has been used as one of the favourite model organisms for developmental studies. Embryogenesis of *C. elegans* extensively relies on maternal effect genes for intrinsically asymmetric cell division and cell-cell interactions. In this review, the early embryogenesis of *C. elegans*, from the establishment of Anterior-Posterior polarity initiated by sperm entry to the asymmetrical cell divisions and different cell lineages induced by a variety of cell fate determinants is summarized, some of the molecular mechanisms carried out by the crucial maternally expressed cell fate determinants underlying these processes are described.

**INTRODUCTION**

The *C. elegans* and its life cycle

*Caenorhabditis elegans* (C. elegans) is a small (~1 mm long) free living soil nematode that has a predominantly hermaphroditic adult life. (Figure 1)

Figure 1 Adult *C. elegans* [1] Upper diagram: differential interference contrast image of an adult *C. elegans*. Lower diagram: anatomical structures of adult *C. elegans* (schematic drawing). Middle Left scale bar: 0.1 mm

The life cycle of *C. elegans* contains an embryonic stage, four larval stages (L1-L4) and an adult stage (Figure 2). Molt (apopisis, new cuticle formation, and ecdysis) takes place at the end of each larval stage. Under certain external conditions such as starvation, a non-growing stage, dauer larva, may form through a facultative, reversible arrest at the lethargus in the second of four cuticle molt. The life cycle is about 2 to 3 weeks. Each approximately 5,000 *C. elegans* proteins have already been matched to homologous human gene transcripts (Lai et al., 2000). Specific mutants may be produced by targeted deletion through transposon insertion or mutagens. Embryos may be manipulated by transformation or injection with transgenes and marker proteins such as green fluorescent protein (GFP) are easily visualized in the transparent embryos. RNA interference (RNAi) is a particularly useful technique for studying maternal effect genes by eliminating the expression of specific maternal or zygotic genes in offspring.

**Reproduction**

In hermaphroditic worms, fertilization occurs in the spermatheca – an organ where the sperm is stored – when mature oocytes pass from the ovary towards the vulva (Fig 1A–B). The point of sperm entry determines the posterior end of the embryo. After fertilization, a rigid, ovoid-shaped chitin eggshell called the chorion is made (Keinshues & Strome, 1997) and the long axis of this ovoid is termed the anteroposterior (ap) axis of the embryo.
Visuals and extended captions in Biology

- **Comparison of two Biology assignments**

<table>
<thead>
<tr>
<th>Text feature</th>
<th>Chinese, text 0434a</th>
<th>English, text 0067b</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of pages excluding refs</td>
<td>15.5</td>
<td>9</td>
</tr>
<tr>
<td>No. of tokens (in WS)</td>
<td>3234</td>
<td>3201</td>
</tr>
<tr>
<td>No. of tables</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>No. of figures</td>
<td>17</td>
<td>5</td>
</tr>
<tr>
<td>Visuals as proportion of whole text</td>
<td>48% (7.5 pp)</td>
<td>22% (2pp)</td>
</tr>
<tr>
<td>Layout</td>
<td>whole page</td>
<td>2 columns</td>
</tr>
</tbody>
</table>
Diagrams and extended captions in text by Chinese writer

- 186 words
- different font
- text wrapping
- full sentences
- same neutral stance as main prose (e.g. use of passives, no first person pronouns, formal language)
- freestanding text i.e. separate reading path
Correlation matrix:

The correlation between QTMARK has strong positive relationships with variables ALEVELS, ATTQ, ATTL and STRONG NEGATIVE relationships with variables EXPALC and TOPS.

Bulleted lists vs. connected prose in Economics

2. Bivariate Regression and Multivariate Regression

(a) Bivariate Regression

**QTMARK** = 0.52 ATTL + 0.48 ATTQ + u

The following results are obtained after running the bivariate regressions in EViews:

**QTMARK** = 6.57025 - 0.00231 ATTL

Interpretation for the regression results:

The coefficient of ATTQ means that even students did not attend any revision lecture, they could get 64.97 in the exam, which may not make much economic sense as revision lecture are meant to boost a student's exam mark.

Higher coefficient of -0.00231 shows an inverse relationship between the attendance of revision lecture and exam performance. It means that 1% increase in the proportion of revision lecture attendance would decrease mark by 0.00231 in the exam.

The coefficient of 0.48 ATTQ shows that the students who attended revision lecture would spend more time revising topics mentioned in the revision lecture and improving their understanding of the course material. However, the coefficient is small, we could hardly count its effect.

An adjusted value of 0.00231 means that only 0.000231% of the variation in QTMARK is explained by ATTL. Therefore, it could be concluded that ATTQ has such a trivial effect on exam performance that it could even be omitted.

Two-tailed t-test for the significance of the slope β:

H0: β ≠ 0 (Proportion of revision lecture attended does not affect exam performance)

H1: β ≠ 0 (Proportion of revision lecture attended does affect exam performance)

Since the calculated t-value is lower than the critical value of t-test at 5% significance level with 370 d.f., we fail to reject H0 and the conclusion is that revision lecture attendance does not affect exam performance.

(b) Multivariate Regression

**QTMARK** = β1 ATTL + f1ABILITY + β2 HSQT + u

Modelled by GLS, we get:

**QTMARK** = 6.52527 + 0.16584 ATTL + 0.84990 ABILITY - 0.41765 HSQT

To identify the regression results:

1. Refer to "Correlation matrixes for three quantitative variables" in the Appendix.
2. Refer to the Appendix for the multivariate regression results table.

Question 2:

**Interpretation of results (equations 1 and 5 appended 2):**

The coefficient on class attendance is 0.13, which implies that holding all other variables constant, if you increase class attendance by 1 unit (1% increase in class attendance in a year), then the exam mark will increase by 0.13 units 0.13% increase in your mark. The coefficient on correction lecture attendance is 0.06, meaning holding all other variables constant, attaining 1% more lectures will increase your mark by 0.06%. The coefficient on revision lecture attendance at slightly surprising, at -0.04, implying that by attending 1% more revision lectures, your mark will decrease by 0.04%. The intercept can be interpreted to mean that if you attended no classes, revision or standard lectures, you would score 48.35%.

Tests (shown to append 2):

The coefficient on class attendance was significant at the 0.01% level implying that in the multiple regression models, class attendance has a significant impact on test mark. The coefficient on lecture attendance however was not significant at the 10% level, implying perhaps that lecture attendance does not have a significant impact in a multivariate framework. However, lecture attendance does appear to have a reasonably high correlation with class attendance, so the regression may be suffering from multicollinearity, which may lead to the result not significant. However, multicollinearity must be occurring such another factor being 'unhelpful' for it to have a negative impact on the regression. The coefficient on revision lecture attendance was significant at the 1% level, this implying that while we can fairly sure that revision lectures have a significantly negative impact, there is scope for the fact that the null hypothesis is indeed correct (type 1 error) and that the result is significant.

The F-test for the joint explanatory power of the independent variables yielded an F-statistic of 13.07. This is significant at the 0.01% level as it exceeds the critical value of 3.78. Hence we can reject the null hypothesis given in the appendix. This means that the explanatory variables have made a significant joint contribution to exam performance.

Question 3:

To investigate whether there are differences in performance between the sub-sample of 2002 students and previous year’s students I have created intercept dummy variables and added them to the original equation, as shown by equations 1 and 2 in appendix 3. The first equation is known as the restricted equation, as opposed to the unrestricted model in equation 2, because it imposes the F-test null hypotheses (see hypothesis 4 appendix 3) on equation 2. Hence in equation 2, the intercept is allowed to vary whereas it is not allowed to equation 1 and is assumed to be constant in all years.

Interpretation of coefficients:

The intercept in equation 3 can be interpreted as before, meaning that if you attended no lectures and had no A’s at A level you would score 58.97. This is slightly more reasonable in the sense that you would not have got anything if you did not score any A’s at A level. The coefficient of 0.14 on lecture attendance means that if you attended 1% more lectures you would get 0.14 out of 100 more in the exam ceteris paribus. The coefficient of 0.04 on A’s at A level means that if you get an extra A at A-level you would gain 0.04% more ceteris paribus. The dummy variable in this case have a slightly different interpretation. Basically they say how much the intercept will move up or down compared to the omitted category, the year 2000 students.

The dummy variable coefficient on 1999 of -1.19 means that if you are a 1999 student, you will score a proportion of 1.19% less than if you were a 2002 student. The coefficient of -0.19 on the 2001 dummy variable means that you will score a proportion of 0.19% less than if you were a 2002 student. Finally the coefficient of -0.63 on the 2002 dummy variable means that you will score a proportion of 0.6% less than if you were a 2002 student. These are shown in equations 3 to 6.
Bulleted lists vs. connected prose in Economics

<table>
<thead>
<tr>
<th>Text feature</th>
<th>Chinese, 0155a</th>
<th>English, 0202j</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. of pages excluding refs</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>No. of tokens (in WS)</td>
<td>3731</td>
<td>4242</td>
</tr>
<tr>
<td>No. of formulae</td>
<td>19</td>
<td>6</td>
</tr>
<tr>
<td>No. of lists</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>No. of listlikes</td>
<td>28</td>
<td>0</td>
</tr>
<tr>
<td>Lists and listlikes as % of whole text</td>
<td>90%</td>
<td>0%</td>
</tr>
</tbody>
</table>
2. Binominal Regression and Multivariant Regression

(a) Binominal Regression

QTMARK = $\beta_0 + \beta_1 ATTR + \beta_2 APT + \beta_3 ALE + \beta_4 ATT + \beta_5 TRA + \beta_6 APT$ + $\mu$

Interpretation for the regression results:

- The intercept $\beta_0$ is 64.97, which means that even students who did not attend any revision lectures could get 64.97 in the exam, which does not make much economic sense since revision lectures were designed to boost a student’s exam marks.
- Higher coefficient of 0.0022 shows an inverse relationship between the attendance of revision lectures and exam performance. It means that 1% increase in the proportion of revision lecture attendance would decrease mark by 0.0022 in the exam.
- Coefficients of 0.18 in revision lecture attendance and 0.21 in the exam. However, the coefficient is small, we could hardly count its impact.
- Excluded value of about 0.01047 means that only 0.9959% of the variation in QTMARK is explained by ATT. Therefore, it could be concluded that ATT has such a marginal effect on exam performance that it could even be omitted.

Two-tailed t-test for the significance of the slope $\beta_1$.

H1: $\beta_1 > 0$ (Proportion of revision lecture attended does not affect exam performance)

H2: $\beta_1 < 0$ (Proportion of revision lecture attended does affect exam performance)

Since the calculated t-value -0.13 is lower than the critical value of tost at 5% significance level with 370 d.o.f, we fail to reject H0 in this case and the conclusion is that revision lecture attendance does not affect exam performance.

(b) Multivariant Regression

QTMARK = $\beta_0 + \beta_1 ATTR + \beta_2 APT + \beta_3 ALE + \beta_4 ATT + \beta_5 TRA + \beta_6 APT$ + $\mu$

Modelling by OLS, we get:

QTMARK = 56.525 + 0.165956ATTR + 0.849860ABILITY + 0.417658HSQST

Interpretation of the regression results:

- As reported in question 1, the correlation coefficient was 0.67.

Question 3

Interpretation of results (equations 4 and 5 appendix 2). The coefficient on class attendance is 0.18, which implies that holding all other variables constant, if you increase class attendance by 1 unit (1% increase in class attendance), then the exam mark will increase by 0.18 units 0.15% increase in your mark. The coefficient on lecture attendance is 0.00, meaning holding all other variables constant, attending 1 more lecture will increase your mark by 0.95%. The coefficient on revision lecture attendance is slightly surprising, at -0.04, implying that attending 1 more revision lecture, your mark will decrease by 0.04%. The intercept can be interpreted to mean that if you attended no classes, revision or standard lectures, you would score 49.83%.

Tests (shown in appendix 2). The coefficient on class attendance was significant at the 0.01 level implying that in the multiple regression model, class attendance has a significant impact on test mark. The coefficient on lecture attendance however was not significant, at the 0.10 level, implying perhaps that lecture attendance does not have a significant impact in a multiple variable framework. However, lecture attendance does appear to have a reasonably high correlation with class attendance, the regression being affected by multicollinearity, which has made the result not significant. However, multicollinearity must be occurring since another factor being unhelpful for it to have a negative impact on the regression. The coefficient on revision lecture attendance was significant at the 0.05 level, implying that while we can barely trust that revision lectures have a significant negative impact, there is some evidence for the null hypothesis is indeed correct (type I error) and that the result is not significant.

The F-test for the joint exploratory power of the independent variables yielded an F-statistic of 13.07. This is significant at the 0.01 level as it exceeds the critical value of 3.78. Hence we can reject the null hypothesis given in the appendix. This means that the explanatory variables have made a significant joint contribution to exam performance.

Question 4

To investigate whether there are differences in performance between the sub-sample of 2002 students and previous year’s students I have created intercept dummy variables and added them to the original equation, as shown by equations 1 and 2 in appendix 3. The first equation is known as the restricted equation, as opposed to the unrestricted model in equation 2, because it imposes the F-test null hypotheses (see hypothesis 4, appendix 3) on equation 2. Hence in equation 2, the intercept is allowed to vary whereas it is not allowed to equation 1 and is assumed to be constant in all years.

Interpretation of the coefficient:

The intercept in equation 3 can be interpreted as before, meaning that if you attended no lectures and had no A at A-level you would score 56.97. This is slightly measured variance in the sense that you would not have gotten otherwise if you did not score any A’s at A-level. The coefficient of 0.14 on lecture attendance means that if you attended 1 more lecture you would get 0.14 out of 100 more in the exam ceteris paribus. The coefficient of 0.19 on A level means that if you get an A at A-level you would get 0.19 more ceteris paribus. The dummy variables in this case have a slightly different interpretation. Basically they say how much the intercept will move up or down compared to the omitted category, the year 2000 students. The dummy variable coefficient on 1999 is -0.19 means that if you are a 1999 student, you will score a proportion of 1.19% less than if you were 2002 student. The coefficient of -0.81 on the 2003 dummy variable means that you will score a proportion of 0.81% less than if you were 2002 student. Finally, the coefficient of -0.19 on the 2001 dummy variable means that you will score a proportion of 0.19% less than if you were 2002 student. These are shown in equations 3 to 6.
1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
Interviews with lecturers

Importance of visuals

- Diagrams and formulae are ‘the spine of the essay’ (Economics)
- The ‘challenge’ is ‘to marry the diagrams with the text’ (Economics)
- Including visuals helps students gain better marks as it avoids having to describe and introducing errors (Biology)
- ‘there is no existing document out there which explains how to interpret their data’ (Biology)
- Marks for presentation may include the assessment of diagrams, tables and overall layout (Engineering).

Being concise

- Lecturers value writing which is ‘clear and concise’, and ‘succinct’ and dislike ‘verbosity’ (Engineering)
- Preference for ‘precision, incision, concision’ (Economics)
- ‘there’s never been a penalty for an essay that’s too short’ (Biology)
Embracing different semiotic modes

Summary

• Chinese students make significantly greater use of visuals and lists than British students
• All BAWE assignments have been judged proficient
• = > different, yet equally valued, ways of writing

Possible reasons

• Are visuals and lists used as a strategy to meet the challenge of producing extended pieces of writing in unfamiliar genres in L2?

• Perhaps some students are more visually-oriented? – Chinese languages are more visual…

• Use of visuals is highly valued in particular disciplines e.g. Engineering, Economics, Biology. Since Chinese students tend to study hard-applied disciplines more than soft-pure disciplines, maybe the use of visuals and lists crosses over??
Outline

1. Background

2. Corpus data and methods

3. Findings
   - from corpus linguistic keywords and counts
   - from comparison of pairs of assignments
   - from interview data

4. Implications
Embracing different semiotic modes

- Yet…. ‘graphic literacy’ is seldom taught in EAP classes – why?

- Most applied linguists are ‘trained in the humanities, where words are central to disciplinary values and argumentation’
  Johns (1998:183)

- There’s often a concentration on ‘linear text’ (Johns, 1988: 183) rather than on the interaction of visuals with text.

- Tutors may ‘find themselves relying on disciplinary norms they are familiar with’ (Gardner and Holmes, 2009: 251)

- ‘for students who face the challenge of writing extended, factual, evidence-based, and disciplinarily specific texts, there is still relatively little on the market’.
  Tribble (2009, p. 416) in a review of EAP textbooks
Implications for practice: EAP tutors

• remain open-minded as to what might be acceptable within unfamiliar disciplines and genres;
• include ‘graphic literacy’ in academic writing classes;
• search corpora (e.g. BAWE, MICUSP) for particular discipline features to identify ways in which these vary;
• collect exemplars of the kinds of writing their students are asked to produce;
• move beyond lexicogrammatical considerations such as the acceptability of I or the choice of passive or active voice to considering assignments holistically (e.g. Is it ok to use a table to display results or should these be given in prose? Can the conclusion be presented as a bulleted list? If images are given, can a lengthy caption be included?);
• encourage students to question their discipline tutors;
• work with discipline tutors to undertake the following strategies ….
Implications for practice: discipline tutors

- provide undergraduate students and EAP tutors with explicit guidance as to what is required in assignments, particularly within unfamiliar genres;
- give exemplars and accompanying commentary to illustrate possible assignment responses - providing several examples gives a sense of the range of acceptability permitted;
- attempt a new assignment themselves in order to see where the rubric fall short;
- allow dedicated time within lectures for students to interview them about the assignment;
- avoid frequent misunderstandings of rubric by adding clarification in subsequent years.
Implications for practice: students

- research writing in their discipline (cf. Johns', 1997, plea for students to become researchers of their disciplines' practices);
- ask questions of both EAP and discipline tutors as to what is, or might be, considered proficient writing;
- seek out exemplars of writing of the type they are being asked to produce (e.g. ask tutor to provide previous cohort’s assignments);
- talk about writing with peers – what is expected? What will this assignment look like? (layout, use of tables/graphs/images/lists).
References


• Leedham, M. (2009) ‘From traditional essay to ‘Ready Steady Cook’ presentation: reasons for innovative changes in assignments’ In Active Learning in HE.

