

## DESIGNING A COLLABORATIVE SYLLABUS OF ENGLISH FOR SPECIFIC PURPOSES (ESP)

Esti Junining

Faculty of Culture studies, Brawijaya University Jln. Veteran No. 1 Malang

E-mail: esti\_junining@ub.ac.id

### ABSTRACT

The recommended model of teaching English for Students of Non English Department is collaborative teaching which provides subject lecturer's involvement in the curriculum design. This paper reported the process of designing a syllabus of collaborative teaching for ESP teaching in Indonesian context as a part of curriculum planning. As a part of curriculum design, this ESP syllabus focuses on content area reading in the area of physics. Several text types commonly used in physics department and vocabulary building of academic word lists and the ones related to physics area study were elaborated as well. The paper concludes that the implementation of this program needs high commitment from the stakeholders in order to make the program successfully implemented.

**Keywords:** collaborative English teaching, Physics study Program, curriculum design, syllabus design

### Introduction

Designing a syllabus of collaborative English teaching in this paper deals primarily with the innovation in teaching English for non English department students in which the trend indicated much failures due to less interesting course designed to fulfill the need of English for Specific Purposes (ESP) learners. The proposed syllabus mainly concerns with the collaborative English teaching for Physics Study Program which involves the subject lecturers to get involved in designing curriculum in the overall planning, implementation and evaluation.

On the basis of this innovation, this paper begins with the rationale of designing a syllabus for collaborative English teaching, followed by the background of writing the syllabus including the curriculum, university, learners and the status of ESP, as well as the aims and objectives of designing the syllabus. The explanation of the syllabus will be elaborated at the end of this paper.

Problems identified include the low level of students' English proficiency on entry to university and the fact that remedial English programmes lack prestige and resources, take place in large classes, are timetabled for antisocial hours, are allocated 2 semester credit units only, are non selective by language competence, extremely heterogeneous both inter-institutionally and even intra-institutionally (Sadtono, 1995; Coleman, 1997).

A more recent study on teaching English for students of non-English department at Brawijaya University found that the background knowledge of instructors was also a potential difficulty Winarni (2005). Most had graduated with degrees in English Education, Applied Linguistics, and English Literature.

Such a condition would lower the motivation of the students and meaningful learning is not likely to take place. Further, Winarni (2005) stated that there was mismatching between the students' need, the English teachers' want and the subject lecturers' requirements. It was recommended that there would be a model of English teaching that could accommodate the three parties involved.

Collaborative teaching between English teacher and subject lecturers can serve as a bridge between the students and the English teacher's viewpoint and what the subject lecturer require. Little (2005: 85) that collaborative teaching establishes confidence and positive relationship between team teachers and students. This positive relationship could be in the form of action which is always previously based on negotiation on disciplinary cultures (Barron, 2002: 303). Supporting this, Dudley-Evans & St.John (1988:42-48) stated that collaboration is a continuum, from low interaction (cooperation) to high interaction (team teaching).

Collaborative Teaching comprises teaching a class with two adult educators who may not be from the same field of teaching and who share planning, teaching and evaluating responsibilities (Little, 2005). This is different from the typical EAP teaching in which the English teacher has to work by him/herself to decide the goal of EAP teaching. There is no coordination between English teacher and subject lecturer in designing EAP curriculum. Each of them works alone without cooperating pedagogically. This kind of EAP teaching technique is risky for weaknesses that could affect the students' low achievement in English. In order to overcome such problems collaborative English teaching is recommended to undertake.

Several benefits could be gained from implementing collaborative teaching. First, benefit for students and the second, that for teachers. In collaborative teaching, the students could enhance much benefit from the extra time which teachers have to share with the students. This is good because an English teacher used to handle large number of students in typical EAP teaching, in which not all students' activity got attention from the teacher. Thus it could help teacher minimize the failure of EAP teaching due to the large classes.

There are two benefits of implementing collaborative teaching for teachers. First, teacher can enhance their professional skills from the sharing techniques applied in the curriculum design. The second, teachers can share aspects of teaching, plan together, pool their experiences, practice new skills, and apply strategies more frequently and more appropriately. This togetherness could equip the teachers with more confidence and professionalism.

### **The Curriculum**

Due to the absence of ESP curriculum in Brawijaya University, this syllabus is designed for the students of Physics Study program to raise the motivation in learning English using more relevant teaching materials. The course seeks to enable the students to recognize their strengths and needs in language learning and to give them the confidence to use English more effectively to achieve their own goal. It also seeks to develop the students' skills of independent learning outcome of the classroom.

### **The School**

This proposed syllabus will be designed specifically to fulfill the need of ESP curriculum at Brawijaya University, one of the state universities in Indonesia, which is located in Malang, East Java. Brawijaya University has 12 (twelve) faculties namely Medical, Economics, Natural Sciences, Social Sciences, Law, Engineering, Agriculture, Fishery, Administrative Sciences, Culture Studies, Agricultural Technology and Animal Husbandry. However, there is no specific curriculum designed for equipping the students with English skills.

### **The Students**

The number of the students studied at Brawijaya University increases annually with different level of English proficiency. However, the proposed syllabus is also designed to measure the students' English

proficiency level with 400 score of TOEFL for the entry level and 450 score of TOEFL for the exit level. The technique of measuring the students' entry and exit level is by using TOEFL Equivalent scores, in which the entry level is 400 and the exit level should be 450.

### **Status of English for Specific Purposes (ESP) in Indonesian Context**

The compulsory status of ESP for the university students does not go with the absence of the ESP curriculum. Therefore, this syllabus is proposed to fulfill the need of ESP teaching and learning for the university level.

### **Purpose of the Proposed Syllabus**

This Collaborative English Teaching for Physics Study Program is an innovative program bearing a purpose to raise the motivation of the physics students in learning English. The English course in this program was made more relevant to the needs of the students. This means that the objective and the teaching materials were geared to those involving knowledge and skills in Physics. The lack of knowledge of the English teachers on this discipline was balanced with effective cooperation with the lecturers of Physics Study program. In addition, the English teachers were kept abreast with the development in recent theories and practices in teaching EAP.

### **Scope and Limitation of the Proposed Syllabus**

Due to the wide scope of ESP teaching at the university level, this syllabus is limited for teaching the students of Physics Study Program. The type of syllabus used in this syllabus is a *text-based and content based syllabus*. A text based syllabus is a type of syllabus that is built around the texts and samples of extended discourse (Richards, 2001: 163). It is also a type of integrated syllabus because it combines elements of different types of syllabus. In addition to

this, this syllabus is also arranged on the basis of content that is organized around themes, topics or other units of content. A content-Based Instruction (CBI) refers to an approach to second language teaching in which teaching is organized around the content information that students will acquire, rather than around linguistic or other type of syllabus (Richards & Rodgers, 2001:204). One of the reasons of using this CBI is that it has similar characteristics of ESP teaching by Hutchinson and Waters (1987) in the way that it describes the learner roles, the role of teachers and the role of materials. In terms of the learner roles, the goal of CBI is to encourage the ESP learners to become autonomous learners and equip them with collaborative modes of learning. Regarding the role of teachers, Richards and Rodgers (2001) suggest that English teachers should be equipped with content knowledge in order to make the learning more effective. In this collaborative teaching syllabus, this absence could be fulfilled by the existence of the content subject lecturer. The materials that facilitate language learning are the materials that are used typically with the subject matter of the content course.

### **Aims and Objectives**

The *aim* of this syllabus is to equip the students with ability to read with understanding, basic texts in the area of physics.

The *objectives* of this syllabus are the following:

1. The students can understand some reading strategies such as skimming, scanning, previewing and predicting.
2. The students can identify main facts and details of some texts in the area of physics
3. The students can relate cause and effect of some texts in the area of physics
4. The students can identify sequence of events of some texts in the area of physics

5. The students can predict outcomes of some texts in the area of physics
6. The students can infer meaning from contextual clues of some texts in the area of physics
7. The students can understand variety of text types in the area of physics and text organization.
8. The students will understand the vocabulary of academic word list
9. The students will understand technical vocabularies commonly used in Physics texts.

### Instructional Blocks

The syllabus of this collaborative English teaching for Physics Study program is designed on the basis of the *units* as instructional blocks. There are 12 units arranged for a 21-hour course. These 12 units are arranged in the following descriptions:

Session	Unit	Text Types
1	1 Introduction to Reading Skills	Information Text
2	2 Quest for Omega	Information Text
3	3 The Life of Kepler and Galileo	Factual Recount
4	4 Quantum Software	Information Text
5	5 Black Holes	Information Text
6	6 Newton	Informative Recount
7	<i>Mid-term Examination</i>	
8	7 Temperature	Information Text
9	8 Why is Ice Slippery	Argumentative text
10	9 Journey to the Red Planet	Descriptive Text
11	10 New Products	Explanation
12	11 How to Writing a Report	Instruction
13	12 Free Activities	
14	<i>Final Examination</i>	

### Scope and Sequence

The *scope* of the content includes 80% understanding language skills comprises of 50% reading comprehension skills, followed by speaking, listening and writing (each weighs 10%) and the rest 20% for understanding language components including understanding grammar and vocabularies in context.

The *sequence* of the contents is arranged on the basis of “whole to part” meaning that the material at the beginning of a course focuses on the overall organization of the topic. For example, in terms of reading skills, the students are given four reading skills namely skimming, scanning, previewing and predicting before practicing them in reading comprehension exercises. Regarding the writing skills, the students are given

preliminary theories of summarizing an article using theories of abstract writing before asking them to write an abstract.

### Course Content

The contents of the course include the following types of content:

- Reading skills including scanning, skimming, predicting and previewing
- Variety of reading texts in the area of physics
- Variety of text types in the area of physics
- Vocabularies of the academic words (around 570 academic headwords)
- Technical Vocabularies commonly used in physics texts (3000 words)

### Conclusion

This ESP syllabus is designed to fulfill the need of Physics department students to read content area reading in EFL context. The main objective of reading skills and strategies with three focus area namely reading comprehension skills, strategies, attitudes and behavior, reading of different text types in the area of physics, and understand vocabularies of academic word list and their usage in some texts in the area of physics are rooted from Barrett taxonomy of reading sub skills to understand content area reading. The integration of reading sub skills and content area reading in physics department is intended to fulfill the need of Physics department students in master both reading in the area of physics and EFL reading skills and strategies. Thus the optimum achievement and students' motivation in ESP learning in Physics Study program could be fulfilled satisfactorily.

### REFERENCES

- Angrist, S.W. & Hapler, L.G. (1967). *Order and chaos. Laws of energy and entropy*. Australia: Penguin Books
- Barron, C. (2002). *Problem-Solving and EAP: Themes and issues in a collaborative teaching venture*. English for Specific Purposes, Vol.22, 297 – 314.
- Coleman, H. (1988). *Analysing language needs in large organization*. ESP Journal, 7: 155-169.
- Discovery Channel.
- Dudley – Evans, T., and St. John, M.J. (1998). *Developments in ESP: a Multi-Disciplinary Approach*. Cambridge: Cambridge University Press.
- Ferguson, K. (1999). *Measuring the Universe: The Historical Quest to Quantify Space*. London: Headline Book Publishing.
- Grolier Encyclopedia.
- Hutchinson, T. & Waters, A. 1987. *English for Specific Purposes*. Cambridge: Cambridge University Press.
- Little, P.F.B. (2005). Peer coaching as a support to collaborative teaching. USA. *Mentoring and Tutoring Journal*, Vol 13, No.1, pp. 83-94.
- Mikuley, B.S. & Jeffries, I. (1996). *More Reading Power*. Longman
- Milburn, G.J. (1998). *The Feynman Processor. An Introduction to Quantum Computation*. Australia: Allen and Unwin.
- Richards, J.C and Rodgers, T. (2001). *Approaches and Methods in Language Teaching*. New York: Cambridge University Press.
- Sadtono, E. (1995). *English at the College Level in Indonesia. In Perspective: Pengajaran Bahasa Inggris di Indonesia*. Malang: Satgas Dokumentasi dan Publikasi Karya Ilmiah, Seksi Kajian Bahasa dan seni FPBS IKIP Malang (pp. 68 – 107).

## Appendix : Syllabus of English for Physics Study Program

**SYLLABUS OF  
ENGLISH FOR PHYSICS STUDY PROGRAM**

**School** : Brawijaya University  
**Program** : Physics Study Program  
**Subject** : English for Physics Study Program

**Semester** : I  
**Level** : Pre-Intermediate

No	Aims	Focus Area (FA)	Learning Objectives (LO)	Sources
1	Develop reading skills, strategies, attitudes and behavior and text type-specific comprehension skills and strategies, strengthened by exposure to wide vocabulary of academic word list and the most common vocabulary of academic word list used in the texts in the area of physics.	1. Reading comprehension skills, strategies, attitudes and behavior	1. identify main facts and details of some texts in the area of physics	1. Mikuley, B.S and Jeffries, I. (1996). <i>More Reading Power</i> . Longman Ferguson, K. (1999).  2. <i>Measuring the Universe: the Historical Quest to Quantify Space</i> . London: Headline Book Publishing
			2. identify cause and effect relationship of some texts in the area of physics	3. Milburn, G.J. (1998). <i>The Feynman Processor. An Introduction to Quantum Computation</i> . Australia: Allen and Unwin
			3. identify sequence of events of some texts in the area of physics	
No	Aims	Focus Area (FA)	Learning Objectives (LO)	Sources
			4. predict outcome of some texts in the area of physics	4. Angrist, S.W. & Hapler, L.G. (1967). <i>Order and Chaos. Laws of Energy and Entropy</i> . Australia: Penguin Books
			5. infer meaning from contextual clues of some texts in the area of physics	5. <a href="http://www.kidcosmos.org">www.kidcosmos.org</a> 6. <a href="http://www.nineplanets.org">www.nineplanets.org</a> 7. <a href="http://www.wikipedia.org">www.wikipedia.org</a> 8. <a href="http://www.academicwordlist.org">www.academicwordlist.org</a> 9. Grolier Encyclopedia
		2. Reading of different text types in the area of physics	6. understand organization of variety of text types in the area of physics	
		3. Understand vocabularies of academic word list and their usage in some texts in the area of physics	7. understand some vocabularies of academic word list	
			8. understand the most common vocabularies of academic word list used in some texts in the area of physics	