

## DO STUDENTS THINK WHAT TEACHERS THINK ABOUT PLAGIARISM?

Tomáš Foltýnek, Jiří Rybička, Catherine Demoliou

**Abstract:** Preventing students' plagiarism is an important issue at Higher Education Institutions (HEI). Teachers who are primarily involved in plagiarism prevention have to explain to students what plagiarism is and to teach them how to avoid plagiarism. A survey conducted under the research project on the "Impact of policies for plagiarism in higher education across Europe" (IPPHEAE) has collected thousands of questionnaires from both students and teachers of several HEI at various EU countries. The project has addressed several research questions relating to plagiarism. This paper compares and contrasts the overall data collected on students' and teachers' attitude to academic writing and their perception of plagiarism and plagiarism penalties as well as their knowledge of Institutional policy/procedures on plagiarism. On the basis of the results obtained it would appear that changes in teachers' attitude and a better understanding of students' educational needs and perception of plagiarism may provide the means to enable HEI to help students to avoid plagiarism in a more effective way.

### Introduction

Plagiarism is becoming an important issue of increasing concern in our societies these days (Borg, 2009). Views and attitudes on plagiarism, however, differ from culture to culture as shown by the study of Carroll (2008) on foreign students going to UK, and by the study of Sutherland-Smith (2008) on international students going to Australia. Plagiarism is an interdisciplinary issue that combines psychological and sociological aspects with ethical and legal ones, and has a national and cultural context (Sutherland-Smith, 2005). Although most of the western European countries are sensitive to plagiarism there are countries, like those in Eastern Europe, where plagiarism is not considered to be a big problem (Foltýnek and Čech, 2012). As a consequence plagiarism is most often judged on the basis of what is considered correct in the "western" societies without taking into account any country specific cultural roots (Haynes and Introna, 2005).

Several studies have already been published on students' and teachers' perception of plagiarism. Risquez et al. (2013) found that although students declare a personal interest in plagiarism and consider plagiarising to be generally bad and punishable, they fail to distinguish specific cases of plagiarism. In fact, in most cases, students are unable to judge whether there is a case of plagiarism or not. In addition, neither students nor teachers appear to be consistent when expressing themselves as to what they consider as plagiarism. In fact, as Gu and Brooks (2008) have shown, students may actually express their teachers' views rather than their own, thus making it difficult to pinpoint any differences in students' views. Furthermore, many students may omit citing and referencing because they are not able to recognize where it is required to do so (Risquez et al., 2013), thus committing plagiarism unintentionally. Regarding teachers, they usually do not punish plagiarism intentionally. Most often they take

plagiarism as their fail, and either they do not look for cases of plagiarism or they choose to ignore them (Sutherland-Smith, 2005).

The majority of students are thought to become aware of plagiarism before or when they start their bachelor degree studies. Although some students may know how to cite and to reference literature sources correctly when they start university, these skills are really taught and practiced during their undergraduate studies (Foltýnek and Čech, 2012). University faculty are expected to provide the opportunity to students to develop their skills of writing assignments and research projects/theses without plagiarising. However, this may not be possible if there are differences between teachers' and students' perception/awareness of (a) what constitutes academic writing and the reasons that students resort to plagiarism, (b) the type of penalties imposed in cases of plagiarism, and (c) the institutional policies and procedures that deal with plagiarism. This study was aimed to identify if teachers and students from HEIs of several EU-countries differ significantly in their perception and awareness of the above. Understanding such difference may enable the development of a European wide plagiarism prevention approach through education, with teachers as the protagonists.

## Material and Methods

We have examined the answers to a survey conducted under the IPPHEAE project with a focus on plagiarism policies, procedures, prevention and penalties at various HEI in EU countries across Europe. About 2588 and 572 questionnaires from students and teachers, respectively, were collected namely from UK, Poland, Lithuania, Czech Republic, Cyprus, Slovakia, Germany, Greece, Bulgaria, Portugal, Austria, France, Finland, Malta and Ireland.

For the purpose of this paper, only some of the questions and statements were analysed. Specifically, we have compared the following:

- I have received / Students receive training in techniques for scholarly academic writing and anti-plagiarism issues
- This institution has policies and procedures for dealing with plagiarism
- Plagiarism policies, procedures and penalties are available to students
- Penalties for plagiarism are administered according to a standard formula
- Student circumstances are taken into account when deciding penalties for plagiarism
- I think that translation across languages is used by some students to avoid detection of plagiarism
- What would happen if a student at your institution was found guilty of plagiarism in their assignment or final project / dissertation?
- Is there any referencing style you / students are required or encouraged to use in written work for your course?
- Which of the following services are provided at your institution to advise students about plagiarism prevention?
- What do you / students find difficult about academic writing?

- What leads students to decide to plagiarise?
- Assuming that 40% of a student's submission is from other sources and is copied into the student's work as described in (a–f) below, indicate your judgment on plagiarism
  - a) word for word with no quotations
  - b) word for word with no quotations, has correct references but no in text citations
  - c) word for word with no quotations, but has correct references and in text citations
  - d) with some words changed with no quotations, references or in text citations
  - e) with some words changed with no quotations, has correct references but no in text citations
  - f) with some words changed with no quotations, but has correct references and in text citations

For the purpose of clarity, the above were divided into three areas of concern within which the students' and teachers' responses were analysed accordingly.

## Results and Discussion

### *Training in techniques for scholarly academic writing*

The majority of EU students and teachers agreed (62%) that students receive training in techniques for scholarly academic writing and anti-plagiarism issues during their studies. There were differences between EU countries in the percentages of positive answers given. However, since the answers between teachers and students from the same HEI were in agreement, it became apparent that there are institutions in EU countries, which do not provide students with any training on plagiarism.

The analysis of data on how students learn/get trained on academic writing that will enable them to avoid plagiarism (Fig.1), showed a student preference (54%) for the web. This source of learning was underestimated by teachers who chose instead their own methods (i.e. class lectures and guidance notes), as the most preferred by students to help them avoid plagiarising.

Similarly, when participants were asked to choose what students may find most difficult about academic writing, the majority of students chose different aspects to those considered by teachers as most difficult (Fig. 2). For example, whereas the majority of students (64%) indicated that finding a good quality source for reading material was the most difficult aspect of academic writing, the majority of teachers (92%) thought that students have more difficulty in understanding the different referencing formats.

Both of the above paradigms indicate that teachers need to pay greater attention to students to identify their needs and expectations when it comes to writing academic work. Based on the above, one may then assume that if students received a better training in academic writing they should be able to write assignments without having to resort to plagiarism. However, would training in academic writing alone be enough to prevent plagiarism?

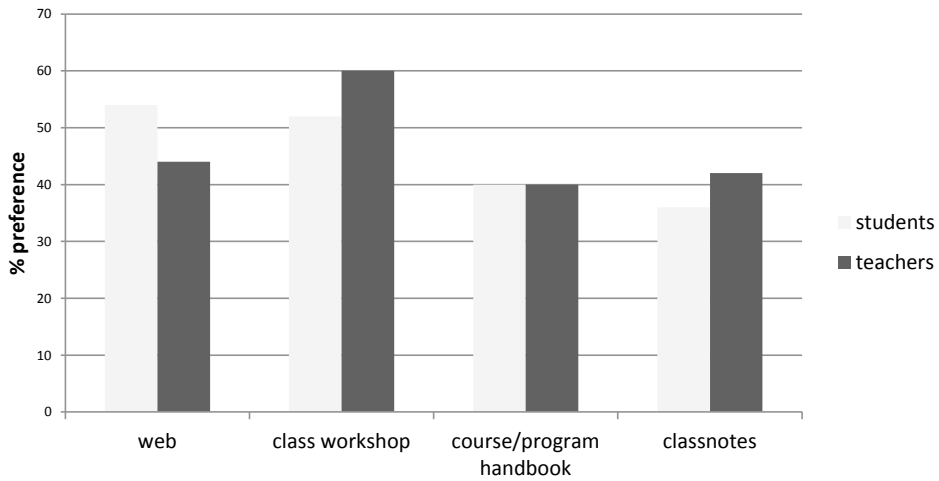


Figure 1. Differences in the preference for teaching and learning sources for educating students in academic writing

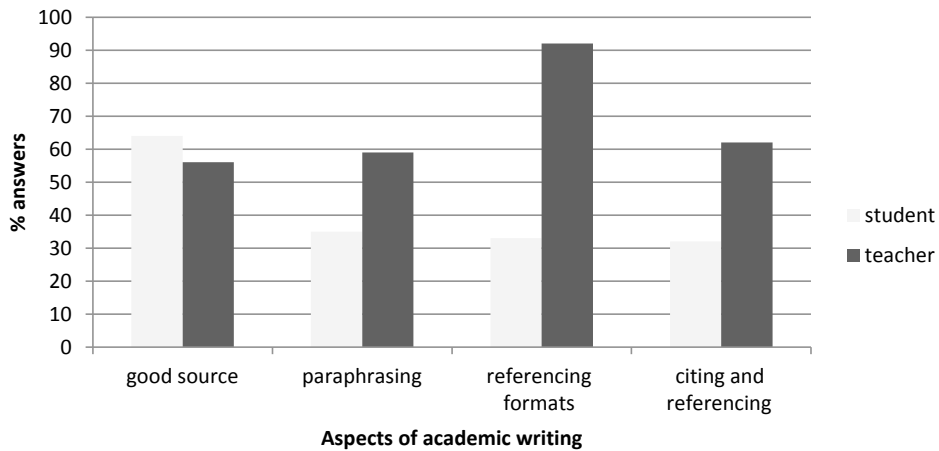


Figure 2. Differences in the perception of what students and teachers consider as difficult in academic writing

### *Plagiarism prevention*

In trying to prevent plagiarism effectively, one also needs to understand the reasons students plagiarize. Both teachers and students were given the same set of 21 reasons for students plagiarizing, and asked to choose the 10 most likely ones. When the data was analysed in terms of choice differences between teachers and students, it became apparent that teachers underscored a number of reasons that students consider as the

Table 1

*Most likely “reason for students plagiarizing”*

Reasons	Chosen by teachers (%)	Chosen by students (%)
It is easy to cut and paste from the Internet	83	67
Plagiarism is not seen as wrong	53	32
They think the lecturer will not care	46	32
Their reading comprehension skills are weak	39	26
They don't see the difference between group work and collusion	28	16
They run out of time	52	64
They are unable to cope with the workload	24	41
They think their written work is not good enough	20	30
They feel the task is completely beyond their ability	15	28
Assignments tasks are too difficult or not understood	10	23

cause for resorting to plagiarism. Furthermore, teachers overscored the importance of other causes.

As shown in Table 1, both teachers and students showed similar trends in the order of what they considered as important reasons for plagiarizing in agreement with those reported by DeVoss and Rosati (2002). According to the teachers' opinions, students plagiarize mostly because they are lazy, lack skills of reading comprehension, they think nobody will care and are unable to recognize that plagiarism is wrong (Table 1). However, according to students' choices, it appears that running out of time, inability to cope with the workload and deadlines and a sense of insecurity are the most likely reasons for students to plagiarize. The apparent problem with time management as indicated from these results may explain why students choose to resort in cut and paste from the Internet when writing an assignment as indicated by the most popular reason for plagiarizing that was chosen by students (Table 1). The underscoring of the above reasons by teachers, would suggest that teachers may differ in their perception of the difficulty of a task/assignment given to students. Looking at the two reasons, i.e., “the task is beyond their ability” and “tasks are too difficult or not understood” (Table 1), chosen by about 25% of the students but only by 10–15% of teachers, one could conclude that if assignments/tasks were explained better, students may be able to complete these to a much higher standard without resorting to plagiarism. However, as McDowell and Brown (1998) suggest, this may not be the case since teachers and students judge the difficulty of assignment tasks differently. The present results suggest that a better approach in preventing students from resorting to plagiarism may be by getting them to manage their time better and by providing them with sources for background reading to help them understand the assigned task. Such an approach may also motivate students more and make them less afraid to deal with it.

However, students may still plagiarize if there is no consensus between teachers and students on what constitutes plagiarizing. In order to check how close are the teachers'

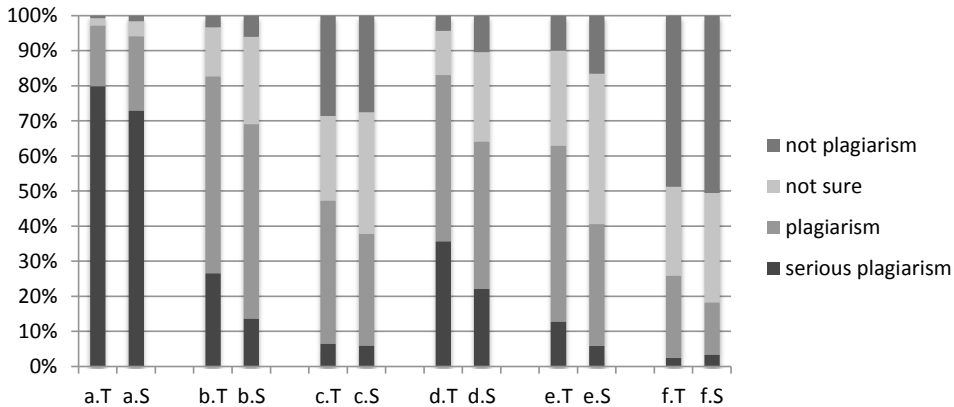


Figure 3. Teachers' and students' verdicts on plagiarism. Verdicts (serious plagiarism, plagiarism, not sure, not plagiarism) was requested for when 40% of an assignment is copied word for word and: (a) has no quotations; (b) has no quotations but has correct references without in-text citations; (c) as in (b) but with in-text citations; (d) has some words changed but no quotations, references or in-text citations; (e) has some words changed, no quotations or in-text citations but has references; (f) has some words changed, no quotations but has in-text citations and references

and students' perception of plagiarism, we have examined the verdicts (judgements: serious plagiarism, plagiarism, not sure, not plagiarism) given by students and teachers for a hypothetical case when 40% of a student's work is copied with varied use of citations and references (see a–f, in Materials and Methods). As shown in Fig. 3, there were differences in the percentage given by teachers and students for each type of verdict in each case (a–f).

More teachers than students gave a verdict of plagiarism when 40% of the assignment was copied and no references and in-text citations were used. The use of in-text citations and references appear to reduce both students' and to a lesser extend teachers' percentage of verdicts of plagiarism. It is also of interest to note that in all cases, a certain percentage of teachers and a much greater percentage of students were not sure or gave a judgement of no plagiarism. The percentage of such responses increased when references and in-text citations were used. Furthermore, when some words in the 40% copied part of the assignment were changed, the percentage of teachers and students who gave a verdict of plagiarism or serious plagiarism dropped. The above results indicate that both students and to a greater extend teachers are aware of plagiarism but are less likely to give a verdict of plagiarizing if quotations and/or references and in-text citation are used. This is most likely to be also the case, if some words in the part of the assignment copied have been changed as indicated here, which suggests that there is a need of a detailed definition of plagiarism that will not leave gaps in its perception by students or teachers.

### *Penalties for plagiarism*

A major topic, which is related to students' and teachers' awareness and perception of plagiarism, is whether plagiarism should be penalized and what should such a penalty involve. Both, students and teachers were given a choice of 13 possible penalties and were asked to indicate the penalty known to them to be imposed if plagiarism were to be detected in a student's assignment or in a student's (undergraduate or graduate (master's)) final project (dissertation).

Analysis of the data showed that there were no differences in the% of teachers and students (range 49–50%) that chose a particular penalty to be imposed for plagiarizing in an assignment. The descending preference order of penalties chosen was the same for both teachers and students: “zero mark for the work” followed by “request to rewrite”, and then by “verbal warning”. There was less of an agreement between students and teachers responses for penalties given for plagiarism in a final project or dissertation. The penalty “zero mark for the work”, was the most popular choice for students whereas almost 50% of the teachers chose “request to rewrite”. More students (33 vs. 24%) chose “fail the module or subject” and this was the case for other forms of punishment like “expose student to school community” (17% vs. 8%), “suspend payment of student grant” (17% vs. 7%), “fail the whole program or degree” (31% vs. 22%) and “suspended from the institution” (29% vs 20%). The broader range of penalties chosen and the differences between students and teachers, most likely reflect the more lenient stance that teachers may take as a result of shared responsibilities in supervising student projects and having to consider the reputation of their Department/School of their Institution.

### *Policies and procedures*

Both students and teachers were asked whether their Institutions had policies and procedures for dealing with plagiarism, about their availability and ways of administering these. Results were analysed in terms of “YES/NO” and “Not sure” answers and are shown in Table 2. As shown, more than 50% of students and teachers were aware of the existence of policy and procedures for dealing with plagiarism at their Institutions. As compared to teachers, however, a lot more students were not sure about them or how they were administered. These results suggest that HEIs in EU may need better ways of making faculty and students aware of policies/ procedures on plagiarism. One such way may be for teachers to undertake to communicate such information to students to the benefit of both.

## **Conclusion**

This preliminary exploration of only a part of the data collected from the IPPHEAE survey have identified several interesting facts that may have an impact on plagiarism prevention policies and in designing anti-plagiarism courses for students:

- students are informed about plagiarism primarily from the web and not through lecturing or from teachers' guidance notes.

Table 2

*Students' and teachers' views of policies and procedures on plagiarism, at their institutions*

	Students			Teachers		
	YES	Not sure	NO	YES	Not sure	NO
This institution has policies and procedures for dealing with plagiarism	68%	24%	5%	75%	11%	13%
Plagiarism policies, procedures and penalties are available to students	54%	33%	10%	60%	27%	13%
Penalties for plagiarism are administered according to a standard formula	39%	49%	9%	50%	31%	18%
Student circumstances are taken into account when deciding penalties for plag.	22%	54%	20%	35%	45%	16%

- The most difficult aspect of academic writing for students is finding a good quality source for information retrieval rather than referencing.
- Most teachers misunderstand students' reasons for resorting to plagiarism.
- More teachers than students give a verdict of plagiarism for work that is plagiarized.
- Teachers' and students' opinions on plagiarism policies/procedures and on penalties do not agree.

Taking into account the above may help teachers to be more effective in trying to educate students about plagiarism, and HEI in implementing their policies on plagiarism by using a more fair approach in dealing and penalizing students who plagiarize. Considering that there were differences in the number of teacher and student participants between the various EU countries, with the highest number of responses coming from the Czech Republic, it is possible that the results obtained from this analysis, are biased. An analysis at national level may identify greater differences for some of the EU country participating. This is only a preliminary analysis of some of the data collected, and further comparisons using a country-by-country approach and even an Institution-by-Institution approach may help in using the observed differences for developing a more holistic approach in dealing with plagiarism in the different countries of the EU.

## References

- Borg, E. (2009). Local Plagiarisms. *Assessment and Evaluation of Higher Education* 34 (4), 415–426
- Carroll, J. (2008). Assessment issues for international students and for teachers of international students, in *Enhancing internationalisation in business and management hospitality leisure sport tourism*, eds. Atfield, R. and Kemp. P., Newbury: Threshold Press
- DeVoss, D., Rosati, A. C. (2002). It wasn't me, was it? Plagiarism and the Web. *Computers and Composition*. Vol. 19, Issue 2, August 2002, p. 191–203
- Foltýnek, T., Čech, F. (2012). Attitude to plagiarism in different European countries. *Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis*. 2012. vol. LX, No. 7, pp. 71–80. ISSN 1211-8516.



- Gu, Q., Brooks, J. (2008). Beyond the accusation of plagiarism. *System*, 36:3, 337–352
- Hayes, N., Introna, LD. (2005). Cultural Values, Plagiarism and Fairness: When plagiarism gets in the way of learning. *Journal of Ethics and Behaviour* 15 (3) 213–231
- McDowell, L., Brown, S. (1998). *Assessing students: cheating and plagiarism*. MARCET, University of Northumbria at Newcastle. ISBN 1861351151
- Pennycook, A. (1996). Borrowing Others' Words: Text, Ownership, Memory, and Plagiarism. *TESOL Quarterly*, 30: 201–230. DOI: 10.2307/3588141
- Risquez, A., O'Dwyer, M., Ledwith, A. (2013). "Thou shalt not plagiarise": from self-reported views to recognition and avoidance of plagiarism. *Assessment & Evaluation in Higher Education*, 38:1, 34–43
- Sutherland-Smith, W. (2005). Pandora's box: academic perceptions of student plagiarism in writing. *Journal of English for Academic Purposes*. Vol. 4, issue 1, January 2005, p. 83–95.
- Sutherland-Smith, W. (2008). *Plagiarism, the Internet, and student learning: improving academic integrity*. New York: Taylor and Francis. 2008. ISBN 0-203-92837-7

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### Authors

Tomáš Foltýnek, foltynek@pef.mendelu.cz,  
Jiří Rybička, rybicka@mendelu.cz,  
Department of Informatics, Faculty of Business and Economics, Mendel University in Brno, Czech Republic

Catherine Demoliou, demoliou.c@unic.ac.cy, Life and Health Sciences Department, School of Sciences, University of Nicosia, Cyprus

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