

Students' and Teachers' Experiences with the Implementation of Problem-Based Learning at a University Law School

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ABSTRACT

A few years ago, the Erasmus School of Law implemented problem-based learning (PBL) as instructional method in the Bachelor's program. Transition to a PBL program often brings along some difficulties for the teaching staff. In order to find out whether the implementation at the Erasmus School of Law has been successful, students and teachers were questioned about their experiences with and perceptions of the PBL program. Both students and teachers indicated positive study behaviors, such as regular studying and active involvement of students because of PBL. However, also some issues arose after implementing PBL: some dissatisfaction regarding the PBL program of staff members and feelings of insufficient preparation for the legal profession in PBL was reported. Recommendations on how to deal with these issues are discussed.

INTRODUCTION

Study delay and student dropout are two major issues that universities in the Netherlands face. The report of the Educational Inspectorate (2009) demonstrated that only 31.3% of the students who started a three-year Bachelor's program at a Dutch university graduated after four years and the average dropout rate during four years of study was 48% in the years before 2010. Remarkably, dropout rates tend to be higher in legal education compared to other disciplines (e.g., medical education, technical studies, and behavioral sciences). Around 60% of Dutch law students drop out during or after four years of study, of which 39% already quit the academic program during or directly after the first year (Educational Inspectorate, 2009). Clearly, this impacts both the student and university in a negative way.

The Erasmus School of Law is no exception with regards to study delay and student dropout. In an attempt to improve students' learning quality and diminish study delay and dropout, a curriculum-wide implementation of problem-based learning (PBL) in the Bachelor's program took place. PBL is a student-centered instructional method in which students collaboratively work on realistic problems under guidance of a tutor (Barrows, 1996; Hmelo-Silver, 2004; Schmidt, 1983; Loyens, Kirschner, & Paas, 2012). Research has shown that PBL students, compared to students of traditional, lecture-based programs, retain more knowledge on the long-term (Dochy, Segers, Van den Bossche, & Gijbels, 2003; Schmidt, Van der Molen, Te Winkel, & Wijnen, 2009b; Strobel & Barneveld, 2009), are in general more satisfied with the program (Schmidt et al., 2009b), and have less study delay and lower dropout rates (Iputo & Kwizera, 2005; Schmidt, Cohen-Schotanus, & Arends, 2009a; Schmidt et al., 2009b). As the origin of PBL lies in medical education (Barrows, 1996), the majority of studies concerning PBL are conducted within this discipline. However, over the last decades, PBL has been implemented at different fields of education (e.g., psychology, engineering, pre-service teacher education; Savery, 2006). In the present article we will describe the implementation of a PBL program at yet another discipline in higher education: law school.

Problem-Based Learning at the Erasmus School of Law

The Erasmus School of Law started with the PBL program in September 2012. Students enroll in one of three fields of study: Dutch law, tax law, or criminology. All programs contain a three-year Bachelor's and a one-year Master program. Only the Bachelor's program implemented the PBL method. Students who started *before* September 2012 were taught in a traditional, lectured-based way. The professors connected to the program were giving several lectures each week in which they provided students with instructions and information. In addition, some courses offered weekly work groups in which students discussed a specific law case with the teacher. Each academic year was divided

into four ten-week periods. In each period two courses were given parallel (e.g., Dutch administrative law and philosophy of the law). Four examination weeks per year were organized.

Students who entered the Erasmus School of Law from September 2012 on, enroll in the new PBL program. In total, eight courses, lasting for five weeks, are offered sequentially each academic year and all courses end with a written examination. Along with the implementation of PBL, the assessment system changed as well. From September 2012 on, students are required to obtain all course credits in the first academic year in order to continue the second academic year (i.e., 60 ECTS). In the former, traditional program, students needed to obtain only a part of these credits (i.e., 40 out of 60 ECTS) in order to continue their study.

The study activities in the PBL program consist of tutorial meetings, self-study, practical courses, and a limited number of lectures. The tutorial meetings (2.5 hours) take place twice a week in groups of approximately eleven students. In between the meetings, students have two to three days of self-study. During the meetings students collaboratively discuss a realistic problem in the presence of a tutor who acts as a facilitator (Barrows, 1996; Hmelo-Silver, 2004; Schmidt, 1983; Loyens et al., 2012). In general, the PBL process can be divided into the initial discussion, a self-study phase, and the reporting phase. The “Seven Jump” method is applied to shape the PBL process (Schmidt, 1983) as is depicted in Table 2.1.

Table 2.1. Overview of the PBL process, including examples of the seven steps.

Phases of the PBL process	Steps of the “Seven Jump” method	Example
Initial discussion	1. Clarification of the problem	Addressing all difficulties with the formulation of the problem (e.g., difficult terms)
	2. Formulation of the problem statement	“Is John’s action justified?”
	3. Brainstorm. All students give an answer to the problem statement.	Some students might think that John was right to shoot the attacker, others may not.
	4. Problem analysis. A discussion of mentioned explanations in the brainstorm. The discussion should cover the different views that came up during the brainstorm with more depth.	“Why is it or is it not justified what John did?”, “Which rules apply when you defend yourself?”
	5. Formulation of the learning issues	“What is self-defense?”, “Under which conditions does the right to self-defense apply?”
Self-study phase	6. Individual search for and study of relevant literature sources, guided by the learning issues	Book chapters, jurisprudence, and articles of the law on self-defense.
Reporting phase	7. Discussion of the studied literature while addressing the learning issues	All different literature sources on self-defense are discussed.

In the initial discussion phase, students receive a realistic, ill-defined problem (e.g., description of a realistic situation or news article), which is discussed based on own experiences and common sense. A situation about a man who purposely seeks confrontation, gets attacked and therefore shoots the attacker, could serve as a PBL problem regarding self-defense during an introductory course in Dutch criminal law. The problem as used in the law program, under study, which is a fictive news article, is presented in Figure 2.1. As the problem is the starting point of the learning process, prior knowledge is limited and students end up formulating questions about the topic of the problem (i.e., learning issues). The discussion in the first PBL phase follows the first five steps of the “Seven Jump” method (see Table 2.1). In the example problem on self-defense, students are likely to discuss, with help of these steps, whether it was justified what John did. After the initial discussion, the self-study phase starts, which is the sixth step of the “Seven Jump” (Schmidt, 1983). Students individually search for and study relevant literature sources (e.g., book chapters, articles, jurisprudence) to address the learning issues. After two or three days, students return to the group for the reporting phase (i.e., final step of the “Seven Jump”). During this phase, students discuss studied literature sources and collaboratively formulate complete and coherent answers to the learning issues. Table 2.1 illustrates the steps of the “Seven Jump” method including examples of each step of the problem on self-defense.

The tutor is present as facilitator during the initial discussion and the reporting phase. The tutor asks in-depth questions and helps them to get back on track when the discussion becomes focused on irrelevant information (Loyens et al., 2012).

Thursday October 13th 2014 |

Failed drug deal

Last Tuesday, a drug deal went completely wrong in the city center of Rotterdam.

ROTTERDAM – Drug dealer Matthew J. got caught up by surprise last Tuesday. Dan K., one of his buyers, robbed Matthew J. from his drugs and money and he stabbed him in the arm with a knife during the robbery. Afterwards, Matthew J. went to his

brother John J. Seeing his little brother bleeding, John J. got furious and he swore revenge. After calling an ambulance for Matthew J., John J. loaded his gun and left the house to find Dan K. In a club downtown, he saw Dan K. talking to a man. John J. walked towards him, pointing at his gun and shouted: ‘You see this? I’m coming for you after what you did to my brother!’

Suddenly, and with high speed, Dan K. ran up to John J. with a knife in his hand. John J. did not see chance to run away and he grabbed his gun. Within a distance of three meters, he shot Dan K., who died instantly. John J. ran off. Thanks to witnesses, John J. could be arrested the next morning. He is now prosecuted for manslaughter.

On account of the news article, John J.’s attorney states that he is certain John J. will not be pursued in court as he was acting out of self-defense on the attack of Dan K.

Figure 2.1. Example of a PBL-problem in Dutch criminal law.

Teacher Training

Considering the important role the tutor has in PBL (Azer, Mclean, Onishim, Tagawa, & Scherpbier, 2013), serious attention is given to teacher training before the implementation. Two connected training programs were offered to staff members and novice tutors. The first training was a tutor training that focused on the role a tutor should adopt in the PBL process during the meetings. Both senior members of the staff (those responsible for the content of the courses as course coordinators) and novice tutors followed this training. The second training focused on the design of courses and problem and only applied for the course coordinators, which will be referred to as teachers from now on.

In the first three-day tutor training, tutors and teachers were informed about the rationale of the PBL process, the seven steps of the “Seven Jump” method, and the role of the student in PBL. Participants were instructed how to support students when students lead the discussion, make notes, and paraphrase during the discussions. They were informed how to adopt a guiding role in the PBL process, how to stimulate an active role of students, and how and when to intervene the discussions by asking, for example, in-depth questions. Further, instructions were given on how to provide students with feedback on their participation in the tutorial group. The content of this training is much in line with the recommendations given by Azer and colleagues (2013) to assure a successful PBL program.

In the second two-day training, a PBL expert gave instructions to teachers about how to implement PBL. Teachers need to think about the topics they would like to address in their courses and were instructed how to make clear, understandable, and motivating problems. Example problems were discussed and teachers were practicing with creating problems under guidance of the PBL expert. They were also instructed how to make sufficient instructions for tutors (i.e., tutorial manuals) and how the assessment of their courses could be shaped. Guidance and support for teachers remained available after this training. During creating and after finishing definitive versions of the problems for the courses, teachers received feedback from PBL experts. In addition, all problems were tested in a simulated tutorial meeting (i.e., initial discussion) with students. Hence, the problems were tested on their effectiveness, for example, whether they elicited discussion, were understandable for students, and whether the level of prior knowledge of students matched the problem (Loyens et al., 2012).

Additionally, on-going support for tutors remains available throughout the academic year and tutors’ functioning is monitored. A few weeks after guiding tutorial sessions, a PBL expert attends the tutorial meetings of all tutors and plans a job evaluation conversation afterwards. From then on, tutors are monitored every three to twelve months. During the job evaluation conversations, students’ evaluations of the tutor are discussed as well. Besides these planned meetings, there is always a possibility for tutors to meet the PBL experts when difficulties with students or with the PBL process in general

are encountered. During each course, weekly meetings with all tutors and the course coordinator are held in which experiences are shared and discussed (e.g., difficulties students had with a specific problem of the course).

Student Training

When students enter the Erasmus School of Law an introduction to PBL is provided to them as well. At the start of the academic year, students attend a lecture about the rationale of PBL and their role in the PBL process. It is explained that an active role of students is required during meetings: students need to be prepared every meeting and actively participate in the discussions. They are instructed about the roles of chair and scribe. During each tutorial meeting, one student acts as chair (i.e., guiding the discussion, summarizing the contributions of fellow students) and one as scribe (i.e., taking notes of the discussion for all students in the group). The first tutorial meeting of the first course consists of two initial discussions. The first one is an exercise to practice with the steps of the "Seven Jump" method, the second discussion is the official first initial discussion of the first course.

Experiences with Problem-Based Learning

Implementation of PBL is a complex and time-consuming process and the quality of the implementation is of great importance for student outcomes. Poor implementation often holds that there is a discrepancy between the theory behind PBL and the reality. This can result in dysfunctional groups in PBL, which in turn is detrimental for students' performances (Azer et al., 2013; Dolmans, De Grave, Wolfhagen, & Van der Vleuten, 2005). Examples of this are when tutors act either too directive (i.e., provide too much instructions) or too passive (i.e., barely intervene the discussion when this is actually necessary; Dolmans et al., 2005) or when students short-cut the PBL process (Azer et al., 2013). In order to shed light on the question whether the implementation of PBL at the Erasmus School of Law has been successful, teachers and students were asked about their experiences.

Two short questionnaires, one for students and one for teachers about their experiences with and perceptions of the PBL program were online administered. Questions concerned students' behavior and satisfaction and teachers' satisfaction with the PBL method. Both questionnaires were administered three years after the PBL implementation. Over these three years after implementation, no major changes in the curriculum took place, only minor changes (e.g., adaptations of problems that did not work sufficiently for the year after). The questions were based on the questionnaire used of Kaufman and Holmes (1996). Their article describes teachers' experiences and perceptions after the transition to PBL at a medical school.

Students' Experiences

The questionnaire for students was administered online to all students in the PBL Bachelor's program at the Erasmus School of Law. Students were asked to rate six statements regarding PBL on a five-point scale (1 "Strongly disagree" to 5 "Strongly agree"). Questionnaire items are listed in Table 2.2 accompanied with frequencies and mean scores. Additionally, students had the opportunity to give concluding remarks on the PBL program.

In total, 344 students (37% male) filled out the questionnaire. Response rate was 10 to 15% from the total student population. Participating students were first-year (35%), second-year (29%), and third-year students (36%), of the three different fields of study within the Erasmus School of Law. The majority of them studied Dutch law (65%); the remaining students studied tax law (20%) or criminology (21%)³. This distribution is common at the Erasmus School of Law.

Table 2.2. Statements for students, frequencies and mean scores (standard deviations in parentheses)

	1	2	3	4	5	Mean Score
1 Problem-based learning is a pleasant instruction type	15%	19%	16%	33%	17%	3.17 (1.34)
2 I have the feeling that I acquire a lot of knowledge by problem-based learning	13%	13%	15%	43%	16%	3.35 (1.26)
3 I study on a regular basis in problem-based learning	9%	15%	15%	41%	20%	3.46 (1.23)
4 I acquire a lot of skills through problem-based learning	12%	22%	29%	28%	9%	2.99 (1.17)
5 Problem-based learning helps me prepare for work in the professional field	23%	27%	31%	15%	4%	2.51 (1.12)
6 I am satisfied with problem-based learning	20%	19%	19%	29%	13%	2.98 (1.35)

Note. Scores varied from 1 to 5: score of 1 "Strongly disagree", 2 "Disagree", 3 "Do not agree/do not disagree", 4 "Agree", and 5 "Strongly agree"

Results of the questionnaire show that regarding satisfaction of PBL and acquiring skills in PBL, students report a neutral score of 3 (i.e., "do not agree/do not disagree"). They experience PBL in general as a pleasant instruction type, but this score is only slightly above a neutral score. Many of the students agreed on the item regarding acquisition of knowledge in PBL, but the mean score was slightly above a neutral score. An interesting result is that almost half of the students agreed on the item concerning studying on a regular basis because of PBL. When rating the item regarding preparation of PBL for professional work, a mean score of below 3 came out: half of the students indicated to disagree or strongly disagree on this item. This shows that in general, students report to have the feeling PBL does not sufficiently prepare them for work in the professional field.

3 A small percentage of students within the faculty participate in two study programs, (e.g., Dutch law and Tax law). Therefore, the percentages add up to a percentage over hundred.

There was an opportunity to give concluding remarks on PBL and about a third of the students gave comments. Students indicated that PBL makes them more actively involved in the learning process, helps them study on a regular basis, and stimulates them to study. However, some commentaries on the PBL program were that the reporting phase was sometimes not considered to be helpful, because literature findings were simply summed up, and that some tutors lacked in providing proper guidance during meetings. These seem to be issues in other PBL curricula as well (Azer et al., 2013).

Teachers' Experience

The second questionnaire was administered online to teachers who had taught in *both* the former lecture-based curriculum and in the new PBL curriculum. In this questionnaire, teachers were asked to compare students' behavior before and after the implementation of PBL and about their own and their colleagues' satisfaction with both programs (i.e., old and new). All questionnaire items are listed in Table 2.3. For each statement, teachers had to indicate whether the statement fitted the former, traditional educational program (i.e., lecture-based) better, whether no differences were observed between both programs, or whether the statement fitted the PBL program better. Additionally, teachers had the opportunity to give concluding remarks on the programs.

A total of 20 teachers (30% male) filled out the questionnaire (response rate was 52%). Teachers taught in different areas of law within the department (e.g., criminal law, company law). Participants' age ranged from 27 to 62. In Table 2.3, the frequencies of responses on each of the three answer options for each item are given.

Table 2.3. Statements for teachers and responses

	Better fits the former method	No difference between both programs	Better fits the PBL method
1 Students get enthusiastic	10%	55%	35%
2 Students are actively involved in the learning process	0%	20%	80%
3 Students acquire a lot of knowledge	40%	50%	10%
4 Students study on a regular basis	0%	20%	80%
5 Students acquire a lot of skills	15%	45%	40%
6 Students get prepared for working in the professional field	25%	70%	5%
7 Students appreciate the educational method	10%	75%	15%
8 In general, the academic staff/faculty is satisfied with the educational method	75%	25%	0%
9 I am satisfied with the educational method	20%	65%	15%

Results show that teachers identify a more active role of PBL students in the learning process, compared to students of the former method and teachers notice that PBL students study on a regular basis more often than 'traditional' students. This result is in line with what students reported. Further, teachers barely observe differences between students in both programs with regards to student enthusiasm and acquisition of skills. Moreover, teachers who filled out the questionnaire are about as equally satisfied with the old as with the new method of teaching. However, teachers do believe that students acquired more knowledge in the former educational method than in PBL. Regarding preparation for the professional field, the majority of teachers reported no differences between both programs. Finally, teachers reported that the majority of the faculty is dissatisfied with PBL, and that the faculty was more satisfied with the educational program before the PBL implementation. None of the teachers reported further remarks on the programs.

Challenges after the Implementation

Experiences and perceptions of students and teachers indicate some positive changes in students' study behavior after the implementation of PBL at the Erasmus School of Law, but also some challenges that need attention.

A positive change in students' study behavior and activities is noticed by both teachers and students. Students seem to study on a more regular basis because of the PBL process. This can be explained by the required study activities in PBL compared to the former educational method. In the former program, lectures were an important source of information. During lectures teachers provided information and students received information and had a rather passive role. As a result, students were not required or stimulated to act on other study activities, such as self-study during the course and they could postpone studying until right before the examination weeks. In contrast, in PBL tutorial meetings take place twice a week for which students need to prepare themselves. Students are stimulated to study on a regular basis this way. Due to the discussions in the tutorial meetings, students are more actively involved in their learning process. In order to discuss on the material, students need to have studied course materials and have thought about arguments and different perspectives. Hence, students need to be actively engaged in study activities.

Despite higher student engagements, some issues have arisen after the implementation of PBL as well. First of all, students in PBL seem to have the feeling that they are not sufficiently prepared for work in the profession. This finding is more or less surprising, as students in PBL work with authentic, complex problems. The problems in PBL aim to demonstrate students resemblances with real-life situations that they are confronted with later in their profession (Schmidt, 1983), in this case legal profession. Remarks students made on the PBL program might offer an explanation for this. Some pointed

out that often in the reporting phase, literature findings are simply summed up, but a connection to the problem of the initial discussion is missing. If there is not an optimal use of the problems, the initial discussion about the realistic situation might feel useless to students and they will not see the relevance of the real-life context. This could contribute to the feeling that PBL does not prepare students for the professional field. Though, some important remarks should be made regarding this finding. First, there is no comparison with the experiences of students in the former, lecture-based curriculum. In fact, in the new PBL program, there is more focus on skill development and practice compared to the former, lecture-based format. Second, students might not completely be aware of what the legal profession entails and that a post-graduate training is often required.

Another concern that was found in the questionnaire results is the dissatisfaction of faculty after the implementation of PBL. Results of the teacher questionnaire showed that teachers noticed that their colleagues were more satisfied with the old educational program than they are with PBL. A possible reason for this is a required change in teacher style. In the old method, teachers passed on their knowledge through lectures, which made the transition to a more passive role in PBL as tutor quite a change. For example, teachers ought to not directly provide information, but let students take the lead in the discussion. Changing their teacher style is challenging for teachers (Ertmer & Simons, 2006; Kaufman & Holmes, 1996; Morss Clyne & Billiar, 2016) and could result in dissatisfaction. Moreover, these changes in the activities of the given courses require time and effort, which could also cause a dissatisfying feeling.

Dissatisfaction within the Faculty can have a large impact on the effectiveness of the implementation, as it can lead to insufficient application of the PBL process by tutors and teachers. For example, when teachers and tutors provide students with too much information and instructions during the tutorial meetings. On the other hand, teachers and tutors can act too passively and not intervene in the discussion at all, which leave students frustrated. In both cases, there is a poor implementation of PBL, which can have detrimental effects on group functioning and student performance (Dolmans et al., 2005).

Recommendations

In short, the implementation of PBL leaves the Erasmus School of Law with two issues: Students' believe of insufficient preparation for the legal profession and faculty dissatisfaction. Recommendations in order to overcome these difficulties will be discussed below.

Preparation for profession

Regarding students' perceptions of PBL's insufficient preparation for the professional field, there are two ways of dealing with this. First, there should be a closer look at the existing problems and the use of these problems in the reporting phase. Dolmans et al. (2005) explain the importance of problems for group functioning (e.g., when problems are too well-structured or do not relate to students' prior knowledge, this could result in dysfunctional tutorial meetings). The problems within PBL aim to support learning in a realistic context and help students prepare for working with similar cases in the professional field (Schmidt, 1983). Important here is the focus on knowledge *application* during the reporting phase, which can help students see the connection with real-life situations better. Students indicated that the reporting phase now sometimes exists of summing up literature findings. However, the reporting phase should focus on answering the learning issues that are formulated in the initial discussion, integrating different literature sources, and applying the acquired knowledge to the problem at hand. A tutor can refer to the problem during the reporting phase or even come up with different scenarios related to the original problem. He/she can ask students how to handle these scenarios with the information they have studied and discussed. To return to the example of *Self-defense* mentioned in the introduction, tutors could let students discuss about the justification of John's actions if John "only" mildly injured the man. Students then need to be able to understand that subtle differences among scenarios can have a major impact on the rules and laws that need to be applied. The course coordinator could provide these kinds of problem scenarios in the tutorial manuals, so all tutors can address them. Directly applying the learned information will make students more aware of the connection between the problems used in PBL and practice.

A second method to deal with students' perceptions on insufficient preparation has to do with creating awareness among students. As for almost all disciplines and university programs, after graduating law school in the Netherlands, a vocational training is necessary for a job in the legal professional field. Students might not be completely aware of this and despite the fact that there is focus on skill development and practice within PBL, students feel their preparation is insufficient. Making students more aware that they need to acquire basic knowledge in order to apply it in practice might help them to adapt their expectations of the program.

To sum up, more attention could be paid to the application of knowledge in the group discussions and students need to be made aware what the legal profession entails. Still, as mentioned before, only PBL students filled out the questionnaire. At this point, it is hard to ascertain whether in the former program students had the idea they were better prepared for the professional field. Especially since the majority of teachers reported no differences with regards to this item between both programs.

Dissatisfaction of teachers

The second issue, dissatisfaction of teachers, is perhaps a more difficult issue to address. Dissatisfaction could be a result of a change in teaching style or redesign of the course, which requires time and effort. In an attempt to make teachers more satisfied with the PBL program, teachers should be able to share their dissatisfying feeling towards the management of the PBL program. Their ideas, opinions, and remarks should be taken into account when creating and redesigning a course in PBL. It will be challenging, but not impossible, to compromise both teachers' wishes and PBL fundamentals.

Noteworthy from the findings of the teacher questionnaire is that the teachers who filled out the questionnaire reported to be as satisfied with PBL as they were with the lecture-based program. However, they reported that *within the Faculty*, a dissatisfying feeling regarding PBL dominates. Teachers who filled out the questionnaire had taught in both the lecture-based and PBL method, and hence these teachers personally experienced changes in student behavior after implementation. Other Faculty members who are not involved in the PBL program (e.g., teachers of a Masters' program, which is not problem-based) apparently have an (often negative) opinion about PBL. Perhaps, if these teachers would actually teach in the PBL program, their perception of PBL might change as well. In retrospect, teachers who *do* observe students in PBL (those who filled out the questionnaire) perceived PBL students as more actively involved and to study on a regular basis, which probably influenced their satisfaction with PBL in a positive way.

Students' Achievements

There are some important remarks to make regarding the findings reported in this study. First of all, the implementation of PBL took place recently. Therefore, some start-up problems still existed in the program, which can be noticed by both students as teachers. Moreover, the third-year students who filled out the questionnaire were the very first students in the new PBL program. Especially this group could have experienced start-up problems in the PBL program. Furthermore, the response rates of students and teachers were quite low. Perhaps, those who did not participated were satisfied with the PBL program and did not feel the need to fill out the questionnaire.

Despite the PBL challenges mentioned, positive changes in study behavior are reported and this is also reflected in students' achievements, as will be outlined next. The number of students passing the first academic year by obtaining all credits of the year show a positive image of the educational changes made in the program. On average, 43% and 46% of the students within Erasmus School of Law obtained all course credits over the first year before the implementation of PBL in 2010 and 2011 respectively (traditional curriculum). This percentage increased extensively: About 68% of the students obtained all credits of the first year in 2012, after PBL was implemented (Baars, Van Wensveen, & Hermus, 2015). In addition, percentages on student dropout during or after the first

academic year within Erasmus School of Law showed a small decrease from 35% in 2011 (old method) to 30% (PBL method; Baars et al., 2015). In sum, although still preliminary, the positive changes in student behavior after the switch to PBL seem to pay off.

Conclusion

This article describes the implementation of PBL at the Erasmus School of Law. Students' and teachers' experiences gave an indication whether the implementation has been successful. Even though some challenges remain, the implementation of PBL at the Erasmus School of Law brought along positive changes in students' study activities, such as more active involvement of students and regular study behavior, and in academic achievements.