# Effects of Sustained Impromptu Speaking and Goal Setting on Public Speaking Competency Development: A Case Study of EFL College Students in Morocco

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#### Abstract

Research on impact of sustained impromptu speaking on public speaking competency development is scarce and lacking. The researcher investigated Moroccan college students' public speaking competency development through extemporaneous (i.e. carefully prepared and rehearsed) speech performance, after implementation of a teaching strategy involving treatment through weekly impromptu (i.e., involving little or no preparation) speaking sessions combined with individual goal-setting strategy (teacher feedback). For this purpose, the researcher assessed 64 extemporaneous speeches delivered over the course of a semester using the public speaking competence rubric (PSCR), and observed the students' public speaking progress through 90 impromptu speaking activities using a weekly goal-setting strategy. Results revealed that a combination of sustained impromptu speaking and goal-setting contributed significantly and effectively to public speaking skills development over the course of the semester. They also clearly showed that the teacher's weekly goal-setting strategy played a major role in building speakers' confidence and overall improvement. Considering the linguistic and cultural background of the students involved, together with the speech genres and the instructor's task requirements, new public speaking competency dimensions and sub-dimensions have been identified.

**Keywords:** competency, public speaking, skill development, sustained impromptu speaking, rubric

#### 1. Introduction

Public speaking competence is of paramount importance and vital to students' success. Learning effective public speaking skills enables college students to succeed across the disciplines. Research indicates that acquiring good communication skills in the public speaking course enabled students to get good grades in other courses (Dwyer, Carlson, & Kahre, 2002), and had a positive impact on the way students perceived their 'behavioral competence', 'self-esteem', and their 'willingness to communicate' (Morreale, Hackman, & Neer, 1995, 1998). In fact, good communication skills are crucial to all students' personal, academic, and professional success (Morreale & Pearson, 2008).

For the longest time public speaking courses have been used as part of student general education at the sophomore level, as a means to improve their public speaking skills in an academic context; therein, the focus is typically on initiating public speaking skills such as body language, eye contact, vocal variety, conversational style, clear articulation, idea development, organization, confidence, interaction with audience, and meeting allotted time. These skills would be further reinforced through various activities in other classes, such as presentations, competitions (Gui, 2012) and debates.

Considering the fundamental role that the public speaking course plays, it has been deeply investigated by communication scholars, with a view to developing pedagogical techniques and recommendations to be implemented by instructors in the classroom. Two of such aspects that have been widely studied and covered in the literature are (i) public speaking anxiety (PSA) (Metcalfe, 2010; F. Verderber, Sellnow, & K. Verderber, 2012), and (ii) the use of impromptu speaking as a tool to reduce PSA (Peterson, 2007; El Mortaji, 2017). In this work, the researcher will investigate the use of impromptu speaking as a tool to promote public speaking competency. Specifically, the researcher will use qualitative and quantitative methods to study the effect of applying a classroom strategy that consists in sustained weekly impromptu speeches coupled with instructor

feedback on public speaking skills development throughout the semester.

# 2. Literature Review

According to the literature, the impromptu speech is a valuable assignment (Hendrix, 1968; Rumbough, 1999) and "if handled properly by the instructor, [it] can be an enormously valuable confidence builder (Lucas, 1998, p. 242). 85% of instructors assign impromptu speech exercises in their public speaking course, and many require students to deliver a series of impromptu speeches during the semester (Endres, 1992 as cited in Rumbough, 1999, p. 206). The importance of incorporating impromptu speaking activities in Public Speaking and basic communication courses in general has been noted in some research and in textbooks as a means to improving student Public Speaking performance. However, the bulk of research on the use of impromptu speaking concerns PSA reduction (Rumbough, 1999). Such studies focused mainly on the physiological aspects of students while delivering an impromptu speech, like "heart rate and heart rate arousal pattern" among male and female speakers, and sweating (Baldwin & Clevenger, 1980; Beidel, Turner, & Dancu, 1985; Booth-Butterfield, 1987; Beidel, Turner, Jacob, & Cooley, 1989; Puigcerver, Martinez-Selva, Garcia-Sanchez, & Gomez-Amor, 1989). Other studies specifically described the actual impromptu speaking activities and exercises used (Clark, 1968; Hampton, 1967; Hendrix, 1968; Paul, 1965; Walser, 1959) and how to implement them over the course of the semester (Peterson, 2007), while others examined forensic-focused impromptu research (Reynolds & Fay, 1987; Sellnow, 1989; Heinz, 2013).

Very few studies focused on the effect of using impromptu speeches on public speaking skill/competency development. Sun Yu-Chih (2008) reports on the integration of the internationally known 'Toastmaster approach' in her EFL public speaking class whereby 18 Taiwanese Students role-played 15 activities, including delivering both extemporaneous and impromptu speeches. Impromptu speaking was used in two ways: (i) spontaneous presentation of the event/competition through 'The role of Master of Table Topics', which enabled the student presenter to freely select topics and choose speakers for each one-minute impromptu speech, and (ii) spontaneous speech delivery of students selected by the Master of Table. Each student role-played at least once a week to ensure they get enough opportunity to practice. At the end of the semester the author gathered students' perceptions of the effectiveness of the toastmaster speech approach through a survey. It revealed students' improvement in their public speaking skills, namely "body language, vocal variety, developing confidence, expression and idea development, and organization", in addition to 'affective and social competence' (p. 126). The Toastmasters approach helped them acquire skills needed for public speaking, including "overcoming stage fright, speech preparation, impromptu speech delivery, understanding the importance of body language, speaking naturally, audience interaction, and presentation style" (p. 125). However, the author Sun Yu-Chih did not illustrate these improvements through examples, and did not report types and subtypes of the listed skills together with related, specific occurrences. In addition, results were based on students' perceptions only, and therefore, there is no indication if all problematic issues were tackled on a weekly basis, or there was some kind of goal-strategy addressing specific and particular skills to improve progressively as the students moved from one speech to another.

In a more recent study, David Girardelli (2017) designed an impromptu speech activity in his/her public speaking course for Chinese ESL learners, using the format of international famous shows like 'American Idol'. The activity was based on storytelling and was inspired by the rules of 'gamification' (i.e. "application of game elements" (p. 157) (Kapp, 2012, as cited in Girradelli). In six groups of four participants, the students played "artificial" fictional roles in a competition like context, with a host and judges. The teams were provided with "story slides" representing different parts of the story, each with a specific organizational pattern (e.g. topical order, cause/effect order, chorological). While the speakers (presenters) enjoyed the freedom of either coming up with their own introduction based on the prompt or reading an already written introduction, they were required to proceed and deliver a creative two-minute impromptu speech and conclusion, following the organizational pattern displayed on the 'story slides'. The impromptu speeches were evaluated in terms of content (based on story slide shown on the screen), structure, body language, eye contact, and paralanguage.

The same activity was evaluated with 81 EFL Chinese Sophomore who delivered this time two impromptu speaking activities 'Dented Helmet vs. Spambot' and the martial arts inspired 'Black Belt Jones'. The students reported in a post impromptu activity survey that "the activity contributed in increasing their confidence in giving a short speech in English without much preparation, helping them to gain a better understanding of how to organize their speeches [chronological order; topical order; spatial; problem /solution order], and increasing their awareness of the importance of nonverbal communication" (p. 158). Thus, the impromptu speech activity proved to meet the intended objectives and learning outcome as set by the researcher (p. 159). However, although the author reported on the students' public speaking skills development, he/she did not demonstrate the nature and

amount of these skills. In addition, there is no indication if and how the improvements occurred as the students moved from one round (impromptu speech delivery) to another. Finally, like in the previous study, the author's conclusions are mainly based on students' perceptions.

This research comes to bridge the gap in qualitative and quantitative evidence of the effect of using sustained weekly impromptu speeches coupled with instructor feedback on competency development during the course of a 15 weeks semester. It also aims at reporting on skill development after each extemporaneous speech, with detailed accounts on the gained skills.

#### 3. Methodology

#### 3.1 Research Question

The research question we shall be concerned with in this study is as follows:

RQ 1: Is there a significant difference between students' achievement of public speaking competencies (dependent variable) before and after attending sustained impromptu speaking activities with a goal setting/teacher feedback strategy (independent variables)?

It is worth mentioning that the gained competencies throughout the semester constitute a holistic set of dependent variables that the researcher is trying to measure after weekly treatment through combined impromptus and goal setting strategy (independent variables).

## 3.2 Participants

Public Speaking (COM1301) is one of the basic communication courses offered at Al Akhawayn University in Ifrane (AUI), Morocco, as a common core that all AUI freshmen students are required to take, regardless of their schools/departments and major. To enroll in this course the students are not required to take any speaking proficiency test; however, they should have already taken English Composition I which is the prerequisite of COM1301. One section of Public Speaking course was randomly selected for the study. Therefore, sixteen Moroccan students (N=16) aged 18 to 20 participated in the study. Like all AUI freshmen students from all majors, the participants were required to take the course in their second or third regular semester at the University with a view to acquiring effective public speaking skills and, therefore, develop effective communication skills, deemed necessary to succeed in other courses and foster their academic career development. Therefore, this sample is homogeneous in the sense that the students were exposed to formal instruction through English language medium for two semesters, and they had no prior experience in public speaking.

#### 3.3 Procedure

The participants signed a consent form at the beginning of the spring semester to be involved in the current study. The researcher, also instructor of COM1301, met with the students three times a week for a-fifty-minute class period. As clearly stated in the syllabus, the students were required to produce four extemporaneous speeches and at least six impromptu speeches and activities throughout the semester. While the extemporaneous speeches were carefully prepared then delivered in class once a month, the impromptus were scheduled on a weekly basis. More information about the types of speeches used and the instructor's requirements are presented in the next section.

#### 3.4 Data Collection

The researcher collected qualitative and quantitative data through (i) annotation and evaluation of videotaped extemporaneous speeches using the public speaking competence rubric (PSCR) to highlight exact gained skills and achieved competencies for each extemporaneous speech performance, (ii) grades earned for each extemporaneous speech, and (iii) individual goals assigned for each speaker after each extemporaneous speech.

# 3.4.1 Extemporaneous Speeches

After introducing in class textbook chapters pertaining to different types of speeches, students were instructed to start preparing their extemporaneous speech outside the classroom, and were asked to practice at least ten times before coming to class. The 'self-introduction speech using an object' was the first and the easiest of the four extemporaneous speeches, which served as an ice breaker, and was delivered in week 2. The same process was followed in subsequent speeches, the 'informative', the 'persuasive', and the 'special occasion' speech, except that (i) the allotted time changed from 3 to 5 and 6 minutes, respectively, (ii) the students were required to research their topic and compile a bibliography, and (iii) they were instructed to produce an outline. These last three speeches were, therefore, more demanding, and the students needed to spend more time preparing them. Overall, the four extemporaneous speeches were delivered in weeks 2, 6, 10 and 14, respectively. As for speech

assessment, the PSCR (see 3.4.1) was used, and the assigned grades counted 5%, 10%, 15%, and 15%, respectively, towards the final course grade. So, the first main source of data collection in this study is the four extemporaneous speeches that the researcher videotaped, together with the scored PSCR sheets for each speech.

#### 3.4.2 Impromptu Speeches

Starting week 3 through week 15, the instructor scheduled impromptu speeches and oral activities almost every Friday; therefore, ten impromptu sessions were offered during the semester. In total, the 16 students delivered 90 impromptu speeches, including group/collaborative and individual impromptu speeches. The purpose of these impromptu sessions was to practice delivering speeches to an audience on a weekly basis so as to strengthen public speaking skills and develop confidence. Given that the participants had no past experience speaking in front of an audience, the impromptu speeches were preceded by warm-up activities like breathing exercises and fun group activities, such as storytelling, for relaxation and classroom connectedness, in order to build trust and confidence within themselves and between each other, and alleviate stress and anxiety feeling. Regarding topic selection, the students were called on just a few minutes before delivering a complete and structured impromptu speech to an audience. The list of topics changed every week. This way, the students had to think on their feet for they had no prior knowledge of the topics. Unlike extemporaneous speeches, the impromptu speeches were not individually graded, but 10% of the overall course grade was assigned to impromptus. This way, the main focus of the students was on implementing their teacher's feedback and achieving their goals, without being stressed or anxious about failing their speech. Thus, the weekly impromptu speeches were used for practice purposes as treatment of areas that needed improvement and weaknesses pre-identified in each extemporaneous speech. An overall schedule of these impromptu sessions and the graded extemporaneous speeches is presented in Table 1.

Table 1. Schedule of treatment sessions and extemporaneous speech delivery

Weeks	Impromptu Speaking Sessions & Weekly Goal-Setting (treatment)	Extemporaneous Speeches (graded and assessed using PSCR)
Week 1	-	-
Week 2	-	Self-Introduction Speech (before treatment)
Week 3	1	-
Week 4	1	-
Week 5	1	-
Week 6	-	Informative Speech (after treatment)
Week 7	1	-
Week 8	1	-
Week 9	1	-
Week 10	1	-
Week 11	-	Persuasive Speech with Visuals (after treatment)
Week 12	1	-
Week 13	1	-
Week 14	1	-
Week 15	-	Special Occasion Speech (after treatment)
Total	10 Impromptu Speaking Sessions	4 Extemporaneous Speeches

## 3.4.3 Goal Setting Strategy

The participants received teacher feedback for each performance. Using the instructor's goal-setting strategy,

each speaker had her/ his own goals to focus on every week, and practiced different aspects of their speech in order to, eventually, improve them by the next graded extemporaneous speech. In other words, and as clearly stated in the course syllabus, the students' success or failure in the course depended on how well they did in the extemporaneous speeches. As for the impromptu speaking sessions, they were used by the professor as a teaching tool to help the students practice on a weekly basis and set specific goals for improvement. The continuous feedback the instructor provided was based on the weaknesses highlighted in each extemporaneous speech, and the instructor taught the students to set different goals for each impromptu speaking session in order to tackle all their individual problematic issues progressively, and make the required improvements by the time the next extemporaneous speech was due.

#### 3.4 Materials

The researcher used the Public Speaking Competence Rubric (PSCR) starting week 6, after three treatment sessions were implemented, to assess the students' extemporaneous speeches and measure their achieved competencies.

#### 3.4.1 The Public Speaking Competence Rubric (PSCR)

The researcher chose to use the Public Speaking Competence Rubric (Schreiber et al., 2012) to assess the students' extemporaneous speeches, which is quite compatible with the course textbook the Art of Public Speaking (Lucas, 2011), and close to the list of competencies and requirements studied in class. At the end of each speech delivery, the students were provided with a copy of their speech assessment (i.e. scored PSCR), and an overall holistic grade to give them a clear and accurate idea about their strengths and the areas they needed to improve. This feedback was emphasized in the weekly impromptu speaking sessions where the students were required to focus on the dimensions they needed to improve, one at a time, in order to improve their public speaking skills progressively.

The PSCR (see appendix) consists of 11 competencies or dimensions, namely 1. topic selection, 2. introduction, 3. organization, 4. supporting material, 5. conclusion, 6. word choice, 7. vocal expression, 8. nonverbal behavior, 9. audience adaptation, 10. visual aids, and 11. persuasiveness, on a five-step competence scale, 4 being advanced, 3 proficient, 2 basic, 1 minimal, and 0 deficient.

As for the validity of the PSCR, Schreiber et.al conducted two sets of studies and analyzed 95 informative and persuasive speeches, 45 and 50 respectively, that were coded by experts and non-experts "to check the [inter-rater] reliability, factor structure, and validity of the PSCR" (p. 216). The results showed that the PSCR "was an effective tool at assessing students' public speaking competence", and "appears to be a robust instrument for use in the classroom and as an assessment tool" (p. 225). The researchers also compared the grades the participants had received in the informative and persuasive speeches to the PSCR scores and found that the comparison "supported the measure's predictive validity". Overall, the researchers confirmed the PSCR "to be a consistent and accurate measure of public speaking ability" (p. 205).

It is worth mentioning here that; (a) some of these 11 competencies were not used when assessing the informative speech and special occasion speech, such as dimensions 10, 11, and 10, respectively, and (b) new dimensions and sub-dimensions emerged in the study, reflecting first the linguistic and cultural background of the EFL students, second the type of assigned speeches, such as the special occasion speech, and third, the instructor's specific task requirements, such as the use of an outline. Therefore, the emergence of these new dimensions/sub-dimensions that were identified across the four extemporaneous speeches necessitated for the purpose of this study a slight adaptation to the original Public Speaking Competence Rubric.

## 4. Data Analysis and Results

As stated earlier, in order to investigate the impact of weekly impromptu speaking and goal setting strategy on students' public speaking competency development in four extemporaneous speeches delivered in the course of a semester, the researcher used as measure a public speaking competence rubric (PSCR) that she slightly adapted based on the nature of the speeches used, specific task requirements, and the background of the participants involved. The combination of this rubric (i.e., each student received one scored rubric for each of the four extemporaneous speeches) and the teacher's weekly observation and goal-setting strategy implemented in impromptu speaking (i.e., treatment) were used with the purpose of getting reliable, accurate data, and a clear understanding of the topic under investigation. Data were analyzed both qualitatively and quantitatively. The results are presented hereafter.

#### 4.1 Qualitative Data Analysis

The students were assigned four extemporaneous speeches: Self-introduction, informative, persuasive with

visuals, and special occasion (i.e. commemorative; acceptance; introduction; graduation). Based on the speech genre, the instructor made specific requirements about the purpose of the speech, audience analysis, supporting material, organization, outline, language, and allotted time. The researcher evaluated the performance of the students in terms of the 11 dimensions of the PSCR (see 3.4.1), in addition to new, emerging dimensions and sub-dimensions (see Tables 3, 4, 5, 6), and assigned an overall grade that clearly showed to what extent the specified competencies (i.e. dimensions) were achieved in every speech. The instructor scored 64 extemporaneous speeches (4 speeches per student), and the overall grades are presented in Table 2.

## 4.1.1 Assigning a Holistic Score

Table 2. Students' grades (%) in the four extemporaneous speeches

Students	Speech 1	Speech 2	Speech 3	Speech 4
	Self-introduction **(before treatment)	Informative **(after treatment)	Persuasive **(after treatment)	Special Occasion **(after treatment)
1	89	97	90*	91
2	88	96	89*	93
3	90	89	93	97
4	75	82	86	90
5	84	95	90*	93
6	75	83	91	97
7	75	83	89	90
8	81	83	86	89
9	84	90	92	93
10	85	93	89*	93
11	72	89	91	93
12	80	84	89	90
13	73	80	85	90
14	83	88	92	93
15	88	90	90	91
16	85	86	88	89

Note. \*Low scores in the persuasive speech. \*\* The treatment is impromptu + goal-setting.

As observed in Table 2, all sixteen students received higher grades as they moved from speech 1 to speech 4. On the other hand, 4 out of 16 students received grades in speech 3 slightly lower (89%; 90%) than in speech 2 (93%; 95%; 97%).

In addition to the assigned grades, a detailed analysis of the achieved and non-achieved public speaking competencies across the four extemporaneous speeches is presented in the next sections, using the PSCR, to shed more light on the students' public speaking competence development over the course of the semester.

#### 4.1.2 Speech 1: Self-Introduction Speech

The self-introduction speech is intended to evaluate the public speaking skills of each participant before impromptu and goal-setting sessions.

Table 3. Students' public speaking competence in the self introduction speech

Speech	Students' Non Achieved Public Speaking Competencies	Students' Achieved Public Speaking Competencies
Speech#1	16/-non-verbal behaviors: 10 nervous gestures (hands shaking; voice trembling; sudden stops, inability to continue the speech; confusion; loss of words; tongue clicks; sighs; unexpected / too serious facial expressions; biting lips ); 6 posture (moving back and forth; playing with one foot; leg crossing; bouncing; hands in pocket; crossing arms in front; crossing arms behind back; holding one arm; leaning on one leg; leaning on desk); 9 -Eye contact: (looking up at ceiling; looking down; avoiding looking at faces of audience members; fixing the wall; maintaining eye contact with instructor only; turning back to one side of class 'audience') 7-Mannerism: (touching hair; touching beard; repeatedly adjusting scarf; scratching face /nose; waving hands; pointing; playing with necklace/bracelet; pulling shirt / dress down; looking through	5/-Introduction: good attention grabber; preview of the main points; clear central idea; 11/-Supporting materials: examples; good idea development; 6/-Conclusion: going back to central idea; using a quote;
	window; chewing gum)  14/-topic selection: 4 -inappropriate topic (failure to relate object to self; did not use an object as required; missed the purpose); 10 allotted time (beyond or below allotted time)  12/-vocal expression: 8 voice (filled pauses; low voice; monotonous tone); 4 speaking rate (too fast due to reciting; out of breath; too excited; too slow); 6 foreign accent (word stress; clear influence of Arabic or French accent); 4 foreign intonation (influence of Moroccan Arabic intonation); speaking inaudibly (swallowing word ending);	
	<b>6</b> /-word choice: language (limited vocabulary; repetition of word/word groups; inappropriate word choice; informal language; sexist terms); grammar errors; mispronounced words (due to 2 <sup>nd</sup> language influence);	

Note. \*Underlined new/emerging sub-dimensions reflect linguistic and cultural background of EFL students.

As shown in Table 3, EFL students' achieved public speaking competencies in speech 1 were mainly found at three levels; the body of the speech, i.e. using supporting material like idea development and examples (11 students), followed by the conclusion, i.e. going back to the central idea and ending beautifully with a quote (6 students), and the introduction, i.e. using an attention grabber and previewing the main points (5 students). On the other hand, the non-achieved competencies exceeded the achieved competencies by far. In total, the following cases were noted: all (16) students had nonverbal behaviors issues, i.e. 32 behavior instances were observed, including 10 nervous gestures, 6 posture cases, 9 eye contact, and 7 cases of mannerism. In addition to non-verbal behaviors, there were problems with topic selection, including choosing inappropriate topics, missing the purpose of the topic, and not respecting allotted time (14 students), followed by vocal expression, where new dimensions and sub-dimensions emerged like word stress, foreign accent, and foreign intonation due to influence of L1 (Arabic) and L2 (French) (12 students), and finally word choice, such as using informal or inappropriate language, using a few sexist terms, wrong word choice, word and group of words repetition due to limited vocabulary, a few grammatical mistakes, and mispronounced words (6 students). The underlined dimensions and sub-dimensions in Table 2 indicate that these emerging behaviors reflect the linguistic and cultural background of EFL speakers.

During the first speech delivery, it was quite obvious that many students had memorized their complete speech before coming to class, which explains their low eye contact with the audience since they were gazing somewhere else to remember their speech and recite it, using fast speech rate, and when they forgot one word they were lost, stuck, and struggled to find a substitute, and often failed to move on or finish their speech. All these behaviors explain the low grades the students received in the first speech (see Table 2). The students' low

performance was expected in the first speech because the weekly impromptu sessions (used for practice) were scheduled for week 3, while the self-introduction speech was delivered in week 2.

4.1.3 Speech 2: Informative Speech

Table 4. Students' public speaking competence in the informative speech

Speech	Students' Non Achieved Public Speaking Competencies	Students' Achieved Public Speaking Competencies
Speech#2	6/topic selection: 6 allotted time (going over or under); 3/supporting materials: 3 Body (using two main points instead of three as required; no source citations); 5/non-verbal behaviors: 5 eye-contact (occasionally looking at ceiling or ground; facing professor & giving back to part of the class); 5 relying on notes (reading occasionally; ineffective note cards: A4; full text on note cards); 2/outline 1. Length (produced a brief topic outline instead of a sentence one as required); 1. Structure (did not use to clearly identify main points, from sub-points and sub-subs) 1/organizational pattern: 1. Mixed topical & chronological (confusing structure; no transitions);	14/organizational pattern: good flow of ideas; clear division /organization of main parts; a well written and clearly structured outline; clear & consistent organizational pattern;  13/word choice: clear language; appropriate word choice;  14/non-verbal behaviors: 10 Posture (good posture; relaxed; walking on stage); 11 eye-contact (maintaining good eye contact with all audience members); Note Cards but no reading (appropriate size / discreet; brief notes: key words; used to keep hands busy OR as a back- up in case they get confused)
		14/adapting speech to audience: showing importance of information (relating topic to audience); slight interaction with audience (funny; pleasant reaction to audience comments; direct communication with audience using WH questions);  11/vocal expression: speaking naturally; adopting a conversational style;  10/topic selection: using original & interesting topics; respecting allotted time;

Note. \*Underlined new/emerging dimension and sub-dimensions relate to culture, the type of speech used & teacher's requirement.

As shown in Table 4, in speech 2 the students made big improvements at all levels. This clearly illustrates the high impact of impromptu speaking practice on the students' skills development in terms of speech preparation, speech delivery, and confidence. Indeed, all 16 participants had delivered 3 individual impromptus and 2 group impromptu activities before delivering speech 2. As shown in Table 3, 89% of students met the informative speech requirements in terms of content, structure and organization of the speech, language use, word choice, audience adaptation, non-verbal behaviors, confidence, topic selection, and even delivered their speech within allotted time. The weekly impromptu speaking practice helped the speakers become comfortable and more at ease delivering a speech in English as a foreign language, since they showed their ability in interacting with the audience, telling jokes, speaking spontaneously, and responding spontaneously in English to some of the audience members' reactions. Most speakers refrained from writing a whole speech in English and memorizing it. It was quite obvious during their speech presentation that their delivery was extemporaneous; most of them adopted a conversational style and started speaking naturally. In addition, they had no problem finding another word as a substitute to express an idea or a thought, they showed much less struggle finding the right word choice and expression, and they even used better note cards with less text compared to speech one.

#### 4.1.4 Speech 3: Persuasive Speech with Visuals

Table 5. Students' public speaking competence in the persuasive speech with visuals

Speech	Students' Non Achieved Public Speaking Competencies	Students' Achieved Public Speaking Competencies
Speech#3	4/visual aids: speaker did not practice with visual aids;	<b>16/content:</b> all requirements met at the levels of introduction (attention getter; establishing credibility;
	3/organization: 1 structure (no clear organizational pattern); 1. Wrong organizational pattern for type of topic (speaker not sure if addressing question of Value or Policy; Problem-solution order or Monroe's motivated sequence); 1 audience analysis (no reference to the audience	specific purpose and central idea; audience analysis questionnaire; visual aids), body (main points well organized; supporting materials; citing sources; sound reasoning; transitions; visual aids), and conclusion (signpost; summary; clincher; call to action); outline (detailed, well written, well structured)  16/eye contact: fully maintained with all audience members;
	analysis questionnaire as required).	<b>16/posture:</b> professional; many enjoyed walking; using appropriate gestures;
		<b>15/language:</b> clear, vivid language; grammar (accurate, fluent, correct English); word choice (appropriate; selective)
		15/timing: presenting within allotted time;
		<b>15/confidence:</b> absence of nervous gestures & mannerism; poise
		<b>15/vocal variation</b> : adjusting voice and tone to setting and speech occasion; adopting conversational style;
		<b>14/audience adaptation</b> : very well considered through speech preparation and delivery; effective connection and interaction with audience; stressing the You; humor;
		<b>14/effective persuasion</b> : clearly stating the problem & solution; supporting claims with credible evidence
		13/effective organizational pattern: clear main points, effective transitions and signposts;
		12/visual aids: selective; high quality; well presented;

Note. \*Underlined new/emerging sub-dimensions relates to the type of speech used & instructor's requirement.

In speech 3 it was quite striking to see how all 16 students had a full understanding of the content and structure of their speech assignment. As illustrated in Table 5, 16 students succeeded in giving all the essential elements in the introduction, namely the attention getter, establishing credibility by referring to their sources, stating the specific purpose and central idea, then using good transitions to move from one part to another. Most students (14) stated the results of their audience analysis questionnaire and used a clear organizational pattern. Also, they submitted detailed and well-structured outlines. As for the non-verbal behaviors, 15 students maintained good eye contact with the audience and managed to adjust and control their voice and tone. They were quite confident standing in front of an audience; in fact, many of them who maintained a straight standing posture in speech one started walking confidently in the classroom, using appropriate gestures, and took their time to breathe naturally, using a conversational style. In addition, 14 out of 16 students adapted their speech to the audience throughout the process of topic selection, speech preparation and delivery, and learned how to create a bond with the audience members and have a pleasant and enjoyable interaction with them using different techniques, like stressing the 'you', asking questions, and using humor. As for visual aids, 12 students were selective in choosing appropriate visuals to help them support their thesis and claim, while 4 students did not take this task seriously

and did not even bother to practice using their visuals while rehearsing (practicing) their extemporaneous persuasive speech before coming to class. This explains the reason these speakers in particular received low scores in the persuasive speech compared to other three speeches, as clearly illustrated in Table 1.

# 4.1.5 Speech 4: Special Occasion Speech

Table 6. Students' public speaking competence in the special occasion speech

Speech	Students' Non Achieved Public Speaking Competencies	Students' Achieved Public Speaking Competencies
Speech#4	2/Persuasion: not convincing of the role played and the special occasion;	<b>-The PSCR</b> : 10 out of 11 dimensions were fully acquired;
	<b>2/Physical appearance</b> : not appropriately dressed up for the occasion;	<b>16/Overall delivery</b> : strikingly effective and professional;
		<b>16/Audience</b> : highly engaging; pleasant interaction with the audience;
		<b>16/Stage performance</b> : strong presence on stage of auditorium
		<b>16/Confidence</b> : completely relaxed, no signs of anxiety observed
		<b>14/Physical appearance</b> : appropriately dressed up for the occasion

Note. \*Underlined new/emerging dimension and sub-dimension relate to the type of speech used.

As shown in Table 6, all 16 students demonstrated striking improvement and effective public speaking skills at all levels in speech 4. At this stage, each speaker had delivered between 6 and 9 impromptu speeches and activities. The students had received intensive practice through sustained impromptu speaking whereby they benefited from the instructor's feedback and adapted a weekly goal-setting strategy to tackle different problematic issues pertaining to their speech preparation, speech delivery, and confidence, which contributed largely and effectively to the spectacular results achieved in their public speaking competence and performance confidence as clearly illustrated in Table 5. All students demonstrated effective behaviors in terms of the PSCR dimensions. Given the nature of the speech, i.e. special occasion, new dimensions emerged here like convincing the audience of 'the role' the speakers played while delivering an acceptance speech or a graduation speech. This dimension did not apply in the case when some students delivered a commemorative speech. Another dimension is the physical appearance that the students were informed of beforehand, but some students did not respect this requirement, which did have an impact on them not convincing the audience of who they were supposed to be and the special occasion of their speech. Finally, considering the nature of this last speech, the instructor chose the university 'auditorium' as the venue for the students' speech presentation, which was quite a challenge to them, and the students succeeded in perfectly adjusting their eye contact, posture, and voice to the new venue and delivering an effective and professional stage performance.

# 4.2 Quantitative Data Analysis

# 4.2.1 Data Preparation

To proceed with the quantitative data analysis and hypothesis (RQ1) verification, the grades for the first (before treatment) and last (after treatment) extemporaneous speeches were compiled by student ID, and tabulated into a Microsoft Excel sheet.

In order to analyze the results and to answer the research question i.e., determine the effect of impromptu speeches and teacher feedback on competency development over the course of a semester, means and standard deviations were computed for the tabulated grades (see Table 7).

Table 7. Grades for pre and post treatment

Students																		
	SI	<i>S2</i>	<i>S3</i>	<i>S4</i>	S5	<i>S6</i>	<i>S7</i>	<i>S8</i>	<i>S9</i>	S10	S11	S12	S13	S14	S15	S16	Mean	St. Dev
Speech #1	90	88	90	75	84	75	75	81	84	85	72	80	73	83	88	85	81.75	5.91
Speech #4	91	93	97	90	93	97	90	89	93	93	93	90	90	93	91	89	92.00	2.40
Variation																	-10.25%	-13%

Table 8 shows the distribution of competency skills pre and post impromptu. As can be seen therein, the number of students with fair to moderate skills jumped from 12 to 0, indicating that all students benefited from impromptu and feedback by the end of the semester (speech #4).

Table 8. Distribution of skill level

	Before treatment	After treatment
Fair Skills (<75)	2	0
Moderate Skills (75-85)	10	0
High Skills (> 85)	4	16

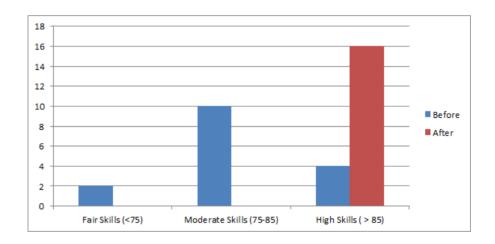


Figure 1. Distribution of skill levels pre and post impromptu

# 4.2.2 Hypothesis Testing and Research Question Findings

The means we found are as follows: pre impromptu 81.75 and post impromptu 92. The mean difference is 10.25 representing as much as 10% increase in skills. This supports our hypothesis which is "sustained impromptu speaking with weekly teacher feedback significantly increased public speaking skill level." To eliminate any effects of chance, we further performed a paired t-test, which compares the means of two groups with paired observations (i.e., before and after measurements) by computing the differences in means for individual students. In doing so, Alpha was set to 0.05, so that we have only a 5% chance of making a Type I error, which would make the results statistically insignificant. The t-value found using a 1-tailed distribution is = 0,000003981, which is much less than the 1-tailed p-value for the sample 2,131, indicating that the 10% average increase in skill level is not subtitle, and is not the result of chance.

Figure 2 shows the progression of the average grades throughout the semester. As much as 60% of the overall progress is achieved after the feedback obtained from the initial speech.

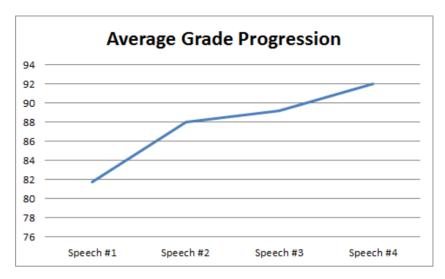


Figure 2. Skill development progress

#### 5. Discussion

The purpose of this study was to determine whether sustained impromptu speeches coupled with teacher's feedback improved students' public speaking skills in the course of a semester. The researcher used a public speaking competence rubric (PSCR) as a measure. The students' improvement in speech preparation, speech delivery, and confidence clearly revealed that there is a correlation between public speaking competency development and intensive practice through sustained impromptu speaking.

The PSCR measured the students' competencies in four extemporaneous speeches delivered throughout the semester and demonstrated high improvement in the speakers' performance in terms of many competencies. The dimensions that seemed to be most problematic to the participants in the first speech were 'non-verbal behaviors', followed by 'topic selection', 'vocal expression', 'language', and 'word choice'. After practicing through three impromptu speaking sessions, the students showed major improvement in the second extemporaneous speech at the level of these specific dimensions, in addition to a variety of other competencies pertaining to general 'language use', 'content', 'organization', 'delivery', and 'confidence'. In subsequent extemporaneous speeches, the students made substantial public speaking competence development in all dimensions thanks to sustained impromptu speaking. In addition, new dimensions and sub-dimensions emerged to highlight the nature of new speech genres as well as the linguistic and cultural background of the EFL students. These new emerging dimensions were identified and added to the original PSCR, as clearly illustrated in the analysis part (see Tables 3, 4, 5, 6). Therefore, these new dimensions and sub-dimensions pertain to (i) language use, word choice, intonation, accent, word stress, (ii) nonverbal behaviors, such as posture, mannerism, gestures, eye contact, and (iii) outline, audience analysis questionnaire, physical appearance, speech situation, and, therefore, make a clear and interesting contribution to the 'adapted version' of the PSCR by making it more descriptive and informative than the original one. This calls for a need to conduct similar studies to develop a comprehensive EFL public speaking competence rubric to accommodate public speakers of English as a second or a foreign language in an academic context.

The teacher's constructive feedback using the weekly goal-setting strategy proved to be very effective and rewarding. Indeed, thanks to the weekly provided feedback, each student had his/her own goals to achieve on a weekly basis. Breaking overall goals into sub-goals for each impromptu delivery proved to be an effective and fruitful strategy that contributed tremendously to improving areas of weaknesses in the students' public speaking performance. This confirms results from previous studies about the importance of feedback and goal setting strategy to improve "speaking abilities" (De Grez et al., 2009).

Teacher's observation of the students' weekly impromptu speaking performance revealed that these sessions contributed to classroom connectedness. Indeed, instructor's support, class discussion, and collaborative impromptu activities helped create a warm, supportive learning environment where the student speakers felt secure and at ease with each other, which in turn contributed to building the students' confidence to a large extent. They were not afraid anymore of standing alone in front of an audience and receiving feedback from the

instructor and their peers. This confirms Weaver and Qi's finding in 2005 that "Peer interactions significantly influence the classroom climate" and "perceptions of the audience and audience feedback play a pivotal role in public speaking anxiety" (McIntyre & MacDonald, 1998; Sidelinger et al., 2011; Edwards & Walker, 2007). The fact that the COM1301 class was a small-class size did contribute to individualized attention from instructor and student communication.

## 6. Limitation of the Study

The researcher involved in this research one section of public speaking students only, which represents a small sample size. So future research should consider involving two or more student sections to ensure obtaining a larger sample size.

#### 7. Conclusion and Recommendations

The teaching method adopted in this study proved to have significant effects on students' public speaking competence development. Indeed, sustained impromptu speaking practice has been demonstrated to be highly effective in improving public speaking performance and developing confidence in an academic setting. The analysis part clearly demonstrated the quality and frequency of skills' improvement the students made across the four extemporaneous speeches. Major improvement pertained to non-verbal behaviors, followed by content, organization, then language, which in turn had a positive impact on building confidence. However, results revealed some students' unachieved competencies in the persuasive speech, mainly because new dimensions /sub-dimensions were introduced based on the nature of the speech and the instructor's requirements. For example, results revealed that some students had problematic issues with visual aids and organizational patterns, which affected their performance and therefore their grade. Thus, it is recommended to do more impromptus in the persuasive genre, to ensure students get extra training and practice in this speech genre that, as demonstrated, proved to be more complicated and demanding to some students. In addition, the instructor could require visuals for the informative speech as well, in addition to the persuasive, to enable the students to practice more with visuals and gain the required skills.

Also, the teacher's weekly goal-setting strategy enabled the students to see and assess the process of their specific skill development as they moved from one speech to another. Therefore, this teaching method is recommended as an effective strategy and tool to be implemented in the basic public speaking course, to reinforce classroom instruction and meet the learning objectives of the course, i.e. communication skills, deemed necessary to succeed in their academic career.

As for the modified version of the PSCR, new dimensions and sub-dimensions emerged due to the linguistic and cultural background of the EFL participants, as well as the type of speeches used. This calls for a need to develop a more comprehensive ESL/EFL public speaking competence rubric to (i) accommodate public speakers of English as a second or a foreign language in an academic context and (ii) all possible speech genres.

# 8. Future Research

As demonstrated in the literature review, the existing research on the impact of weekly/ sustained impromptu speaking on students' public speaking competency development over the course of a semester is scarce, even lacking. Communication scholars investigated different factors contributing to public speaking skills development, such as anxiety reduction, but the impact of sustained impromptu speaking has been neglected in the literature. Thus, there is a need to explore this area in future research, and why not duplicate the current study. Also, 'venue' (in this study it was 'auditorium') is a new aspect that the researcher did not initially intend to study as a factor impacting students' performance, and that, by chance, was revealed important in the fact that it contributed positively to the students' adjustment in terms of some behaviors, namely voice, eye contact, and even posture, which eventually contributed to an effective and professional performance. In future research, it should be interesting to explore the impact of a large-size space vs. a small-size space on students' public speaking performance. Finally, investigating the correlation of public speaking anxiety, public speaking competency development, and sustained impromptu speaking would be an interesting venue to explore both quantitatively and qualitatively in future research.

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# Appendix

# Public Speaking Competence Rubric

Performance standard	Assessment Criteria								
The student	Advanced 4	Proficient 3	Basic 2	Minimal 1	Deficient 0				
Selects a topic appropriate to the audience and occasion	Topic engages audience; topic is worthwhile, timely, and presents new information to the audience	Topic is appropriate to the audience and situation and provides some useful information to the audience	Topic is untimely or lacks originality; provides scant new information to audience	Topic is too trivial, too complex, or inappropriate for audience; topic not suitable for the situation	A single topic cannot be deduced				
Formulates an introduction that orients audience to topic and speaker	Excellent attention getter; firmly establishes credibility; sound orientation to topic; clear thesis; preview of main points cogent and memorable	Good attention getter; generally establishes credibility; provides some orientation to topic; discernible thesis; previews main points	Attention getter is mundane; somewhat develops credibility; awkwardly composed thesis; provides little direction for audience	Irrelevant opening; little attempt to build credibility; abrupt jump into body of speech; thesis and main points can be deduced but are not explicitly stated	No opening technique; no credibility statement; no background on topic; no thesis; no preview of points				
Uses an effective organizational pattern	Very well organized; main points clear, mutually exclusive and directly related to thesis; effective transitions and signposts	Organizational pattern is evident, main points are apparent; transitions present between main points; some use of signposts	Organizational pattern somewhat evident; main points are present but not mutually exclusive; transitions are present but are minimally effective	Speech did not flow well; speech was not logically organized; transitions present but not well formed	No organizational pattern; no transitions; sounded as if information was randomly presented				

Performance standard			Assessment Criteria		
The student	Advanced 4	Proficient 3	Basic 2	Minimal 1	Deficient 0
4. Locates, synthesizes and employs compelling supporting materials	All key points are well supported with a variety of credible materials (e.g., facts, stats, quotes, etc.); sources provide excellent support for thesis; all sources clearly cited	Main points were supported with appropriate material; sources correspond suitably to thesis; nearly all sources cited	Points were generally supported using an adequate mix of materials; some evidence supports thesis; source citations need to be clarified	Some points were not supported; a greater quantity/quality of material needed; some sources of very poor quality	Supporting materials are nonexistent or are not cited
5. Develops a conclusion that reinforces the thesis and provides psychological closure	Provides a clear and memorable summary of points; refers back to thesis/big picture; ends with strong clincher or call to action	Appropriate summary of points; some reference back to thesis; clear clincher or call to action	Provides some summary of points; no clear reference back to thesis; closing technique can be strengthened	Conclusion lacks clarity; trails off; ends in a tone at odds with the rest of the speech	No conclusion; speech ends abruptly and without closure
Demonstrates a careful choice of words	Language is exceptionally clear, imaginative and vivid; completely free from bias, grammar errors and inappropriate usage	Language appropriate to the goals of the presentation; no conspicuous errors in grammar; no evidence of bias	Language selection adequate; some errors in grammar; language at times misused (e.g., jargon, slang, awkward structure)	Grammar and syntax need to be improved as can level of language sophistication; occasionally biased	Many errors in grammar and syntax; extensive use of jargon, slang, sexist/racist terms or mispronunciations
7. Effectively uses vocal expression and paralanguage to engage the audience	Excellent use of vocal variation, intensity and pacing; vocal expression natural and enthusiastic; avoids fillers	Good vocal variation and pace; vocal expression suited to assignment; few if any fillers	Demonstrates some vocal variation; enunciates	Sometimes uses a voice too soft or articulation too indistinct for listeners to comfortably hear; often uses fillers	Speaks inaudibly; enunciates poorly; speaks in monotone; poor pacing; distracts listeners with fillers

Performance standard			Assessment Criteria		
The student	Advanced 4	Proficient 3	Basic 2	Minimal	Deficient 0
8. Demonstrates nonverbal behavior that supports the verbal message	Posture, gestures, facial expression and eye contact well developed, natural, and display high levels of poise and confidence	Postures, gestures and facial expressions are suitable for speech, speaker appears confident	Some reliance on notes, but has adequate eye contact, generally avoids distracting mannerisms	Speaker relies heavily on notes; nonverbal expression stiff and unnatural	Usually looks down and avoids eye con-tact; nervous gestures and nonverbal behaviors distract from or contradict the message
9. Successfully adapts the presentation to the audience	Speaker shows how information is personally important to audience; speech is skillfully tailored to audience beliefs, values, and attitudes; speaker makes allusions to culturally shared experiences	Speaker implies the importance of the topic to the audience; presentation is adapted to audience beliefs, attitudes and values; an attempt is made to establish common ground	minimally adapted to audience beliefs, attitudes, and values; some ideas in speech are removed from audience's frame of reference or experiences	is not established; very little evidence of audience adaptation; speaker needs to more clearly establish a connection with the	Speech is contrary to audience beliefs, values, and attitudes; message is generic or canned; no attempt is made to establish common ground
	Exceptional explanation	d to grading rubric as neede Visual aids well presented; use of visual aids enhances understanding; visual aids good quality	d) Visual aids were generally well displayed and explained; minor errors present in visuals	Speaker did not seem well practiced with visuals; visuals not fully explained; quality of visuals needs improvement	Use of the visual aids distracted from the speech; visual aids not relevant; visual aids poor professional quality
Performance standard			Assessment Criteria		
The student	Advanced 4	Proficient 3	Basic 2	Minimal 1	Deficient 0
11. Constructs an effectual persuasive message with credible evidence and sound reasoning	Articulates problem and solution in a clear, compelling manner; supports claims with powerful/credible evidence; completely avoids reasoning fallacies; memorable call to action	Problem and solution are clearly presented; claims supported with evidence and examples; sound reasoning evident; clear call to action	Problem and solution are evident; most claims are supported with evidence; generally sound reasoning; recognizable call to action	are somewhat unclear; claims not fully	Problem and/or solution are not defined; claims not supported with evidence; poor reasoning; no call to action

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