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International Students' Perceptions Towards their Learning Experience in an International Network Seminar in Japan: During and Post the COVID-19 Pandemic

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Abstract: The COVID-19 pandemic has struck educational experience systems around the globe. This paper investigates and evaluates the student participants' perceptions who joined the international exchange seminar on global citizenship and peace held at a University in Hiroshima, Japan. Approximately seventy students and faculty members from nine to ten different universities from around the globe joined this summer program in August 2021 (online) and 2022 (face-to-face). This study is a mixed-method study. The first part consists of a quantitative analysis of BEVI data obtained from the students in the seminar before COVID-19 and after. The research concludes that there are no changes in the way students learn. The second part consists of qualitative data. This data shows the perceptions of students of online teaching versus hybrid teaching. It compares the differences in participants' perceptions reported in students' feedback on the programs during and post-COVID-19. Our results confirm prominent differences exist in the students' perceptions of their learning experience during the pre-pandemic and post-pandemic periods. The findings of this study suggest that universities need to strive and define a meaning and purpose of international seminars, which enables students to experience a high level of intercultural social interaction face-to-face.

Keywords: COVID-19, Post-Pandemic, Higher Education, Online Learning, Global Citizenship, Hiroshima, Japan, Students' Perceptions

1. Introduction

Overnight, in late winter or early Spring 2020, the COVID-19 pandemic disrupted education systems and their activities at all levels worldwide. Effectively halting centuries of teaching in larger audiences or smaller groups, the pandemic forced education to adapt to online formats since social distancing measures prevented traditional face-to-face teaching in universities.

The teaching innovations in distance or online learning that had already occurred before the pandemic [1-5], in terms of virtual and visual ways of communicating teaching issues, were heavily depended upon during the pandemic. At that moment, the main goal was to maintain education in any possible way undisrupted [6] at all levels of education. According to Dagiene et al., (2022) "Higher education has transformed and moved online; however, it is not clear whether this transformation produces positive studies outcomes" [7].

The effects of students shifting from a completely online learning environment during the pandemic to a mix of online and offline teaching modes post-pandemic are unclear. Initial reports suggest that students have changed, but it is uncertain as to why. Is this change a myth? Have students changed? In the post-pandemic period, we see that students' participatory behavior and engagement had indeed changed. During the

pandemic years, students missed the interaction with fellow students and friends. What were the repercussions during the post-pandemic period? To understand what happened, we must investigate the students' perceptions of the different teaching methods implemented due to online conditions.

We need to keep critical conditional factors constant to find out. We will have to for as many similarities with equal importance to how students perceived the teaching during and post the pandemic. We need to look for a society with high IT infrastructure and skills to rule out technical issues. We need to look for a seminar that takes place about the same time each year with a global theme of similar significance for the students each time. We need to find an established seminar with a similarly high level of teachers. We need to find a seminar where the students' feedback allows for analysis of likes and dislikes of course specifics. In turn, that allows us to see the perception change without asking directly about the change. In other words, we will explore the possible attitudinal trends of similar students for the same course before, during, and after the pandemic.

One example that fits this criterion is a yearly International Seminar held by a University in Hiroshima, Japan. Since 2006, the seminar has been held in the week marking the tragic destruction of Hiroshima on 6 August 1945. This event collectivizes students from different countries alongside Japanese students. It is a powerful symbol that draws attention to the destructive potential of nationalism and war and the disastrous effects of nuclear weapons on people and the environment. The seminar uses the history of Hiroshima to engage students in practical discussions about global citizenship and the need for individuals to understand that we are connected as citizens and that our challenges for a sustainable and peaceful future transcend borders. As stated by UNESCO (2015): "Global Citizenship Education (GCED) aims to empower learners of all ages to play an active role, both locally and globally, in building more peaceful, tolerant, inclusive and secure societies." As such, higher education institutions have the task of preparing students with attitudes, values, and skills about their broader responsibility for the interconnectedness of our environment and the well-being of human beings [8]. In this case, the seminar in Hiroshima aims to provide insight into living as engaged global citizens. It focuses on interdisciplinary topics that cross borders—thinking and solving current human and ecological problems. Professors with extensive experience and backgrounds across various disciplines and topics conduct the workshops in a 10-day program.

In short, the long history of the course qualifies it for this illustrative case. There is a common theme equally important to all students, regardless of their country of origin and professional background. Conjointly, the organizers and teachers collect extensive student feedback as part of the program. This is also the case in the years 2021 and 2022. Furthermore, in 2021 (during COVID-19) and 2022 (post-COVID-19), the organizers and teachers collected extensive student feedback as part of the program.

The seminar in Hiroshima invites a high level of shared identification among the participants by the topic and location of the seminar. The program satisfies the condition for a high level of identification around global citizenship related topics among students, a high motivation that is already very biased towards a positive effect on virtual communication. This research focuses on the dynamics within a single setting, studying this social phenomenon in this setting over time using both qualitative and quantitative data. Therefore, this is a case study [9]. Within this setting, the quantitative data from BEVI surveys explore the dynamics of learning effects. Pre-COVID is compared with post-COVID. Furthermore, in the same setting, the qualitative data from participants' feedback in the seminar explore the participants' perceptions regarding online versus face-to-face teaching modes.

As Japan is a highly sophisticated society in terms of IT infrastructure, we rule out the effects of the infrastructure seen in previous research on this matter. For example, Chisadza et al. conducted a study investigating the factors that predict students' performance after transitioning from face-to-face to online learning due to the COVID pandemic at a South African University [10]. Unlike this case, improving digital infrastructure was not

an impact of the COVID-19 pandemic on the education system in Japan, where IT infrastructure is well advanced, and the activities are taking place in a context with modern computer facilities with a good internet connection. COVID-19 provides us with a valuable opportunity to understand and assess the impact of educational adaptation and its effect based on students' perceptions during and post-pandemic times. According to one survey, students lacked motivation in Japan due to stifling social interaction.

The aim is to assess the impact of COVID-19 according to students' perceptions of teaching in an international case seminar during and after the pandemic (2021-2022)

The research questions are stated below:

1. RQ1: What are perceptions from students' feedback from going online to face-to-face?
2. RQ2: How did differences in teaching/learning tools affected the students' perceptions during the International student seminar?
3. RQ3: From the students' perspectives and behavior, what implications does this study suggest for future online global seminars?

According to Selwa Elfirdoussi et al., (2020), online learning refers to education using telecommunications equipment and internet technology [11]. During the beginning of the COVID-19 pandemic in the winter of 2020, the equipment or support of technologically savvy colleagues became difficult for teachers to access. To achieve greater effectiveness in the shift to online education, the success of these changes relies heavily on developing and accessing information and communication technologies in the country [6].

Almaiah and Mulhem (2018) point out that design and content are critical drivers for an e-learning system [12]. In addition, the critical challenges and factors that influenced the e-learning system during the COVID-19 pandemic are related to the following categories: technological factors, e-learning system quality factors, cultural aspects, self-efficacy factors, and trust factors [13].

According to a survey, students lacked motivation in Japan during the COVID-19 pandemic due to stifling social interaction. The study was conducted by the Benesse Education Research and Development Institute and the Institute of Social Science at the University of Tokyo. The answers were collected from 10,000 students ranging from fourth graders to high schoolers between July and September 2021. The study found a drop in motivation due to reduced interaction among students at schools. COVID-19 has limited students' interaction and the leisure activities they engage in at school. Because of this restriction, students expressed a lack of motivation to learn.

2. Materials and Methods

In this study, we conduct a quantitative (BEVI analysis) and qualitative content analysis of students' feedback collected from the International Student Seminars held at a University in Hiroshima, Japan, in 2021 and 2022. The goal of these seminars was to bring together students from across ten International Seminar member institutions (2021) and nine (2022) from around the world to explore how students, as global citizens, can understand the given themes and consider what we can do to contribute to the world. In 2021, due to the COVID pandemic, the International Seminar was conducted online for the first time (the International Seminar 2020 was canceled due to the COVID pandemic), and the year's theme was "Understanding Global Inequalities: Bridging the Gaps." The student participants for 2021 consisted of 74 students (40 female, 34 male) from various countries (33 Japanese University students, 11 South African University students, 7 Spanish University students, 4 Indonesian University students, 5 British University students, 5 Argentinian students, 3 German University students, 3 Swedish University students, 3 American University students). The ages of participants ranged from 18 to 26 years. The 2021 International Seminar student participants are shown in Table 1 below:

Table 1. 2021 International Seminar (Online): 74 participants from nine universities (34 males 40 female)

Country of Origin Where University is Located	# of Participants
Japan	33
South Africa	11
Spain	7
Indonesia	4
The U.K.	5
Argentina	5
Germany	3
Sweden	3
The U.S.A.	3

In August 2022, the International Student Seminar was conducted back to face to face after the COVID pandemic settled. This year, the seminar's theme was "The Age of Artificial Intelligence: Opportunities and Concerns." The seminar's goal for 2022 aimed to explore the debate and issues raised by the developments in the area of A.I. The 2022 International Seminar critically considered how the A.I. increasingly impacts our day-to-day life, looking at the opportunities it can provide and its dangers. All the student participants for the 2022 International Seminar attended this International Seminar at Hiroshima University from August 3rd through 12th, 2022. The participants for the International Seminar in 2022 consisted of 48 students in total (13 males and 35 females) from various countries (28 Japanese University students, 5 Indonesian students, 1 Malaysian University student, 1 Chinese University student, 2 German University students, 2 American University students, 3 British University students, 2 Swedish University students, 2 Argentinean University students, 2 Spanish University students, and 2 South African University students. The 2022 International Seminar student participants are indicated in Table 2 below:

Table 2. 2022 International Seminar (Face-to-Face): 48 participants from ten universities (13 male, 35 female)

Country of Origin Where University is Located	# of Participants
Japan	28
South Africa	2
Spain	2
Indonesia	5
The U.K.	3
Argentina	2
Germany	2
Sweden	2
The U.S.A.	2

The 2021 International Seminar was conducted online due to the COVID-19 pandemic from August 5th through 13th, 2021. The student participants were expected to attend the activities in the seminar online during the program. Contents of the 2021 International Seminar program included a group presentation, four online workshops, two online keynote speeches, online interaction with a Hiroshima A-bomb survivor, an online group introduction story exchange, live streaming of the Hiroshima Peace Memorial Ceremony,

an online Intercultural Learning session, a Japanese language session, and presentations on Japanese culture by Japanese students. Students were expected to read materials and on-demand lectures in July in preparation for the August online seminar. In addition, four pre-recorded videos of each workshop and a pre-recorded video by the A-bomb survivor were sent to students for preparation. In order to manage the time difference for the online participants across the globe, the students were allocated into two different groups based on time zones to enable them to work together more efficiently. Two different time slots were allocated for the online group work, depending on where students were in the world. Students from Japan (University in Hiroshima) were especially divided between the two time slots to mix them with students from different cultures for their intercultural experiences. For example, time slot 1 included students based in the U.S.A., Argentina, and Japan, and time slot 2 consisted of students based in the U.K., Europe, South Africa, Indonesia, and Japan. To promote intercultural experience even in a virtual environment, an online group introductions story exchange was employed as an intercultural learning experience. Students from nine universities worldwide joined their peers to get to know each other through story exchange on August 9th, 2021. On the same day, all the students attended an online keynote speech together at 22:00-23:00 (Japan Standard Time).

The 2022 International Seminar was held face-to-face on-campus in Hiroshima, Japan, from August 5th through 13th, 2022. Since COVID-19 restrictions had become more lenient in 2022, this event was held face-to-face for the first time since the COVID pandemic started in 2020. The 2022 International Seminar program included four workshops, two keynote speeches, a meeting with a Hiroshima A-bomb survivor, and country group work sessions leading to a U.N. role play. While all activities and programs between 2021 and 2022 were similar, due to the in-person, on-campus format of the 2022 seminar, the United Nations general assembly role play was re-implemented after being canceled and replaced by group presentations in 2021 as conducting a virtual Model U.N. would have been quite challenging for the student participants.

Table 3 below summarizes the differences of program contents between the International Seminars in 2021 and 2022:

Table 3. Program Contents of the International Seminar 2021 & 2022

Portions of the Seminar	The International Seminar 2021 (online)	The International Seminar 2022 Seminar (in-person)
Theme	“Understanding Global Inequalities”	“The Age of Artificial Intelligence”
Workshops	4 online workshops	4 in-person workshops
UN Role Play	Replaced by online final groups presentations	The United Nations General Assembly Role Play
Keynote Speech	2 online keynote speeches	2 online keynote speeches
Hiroshima Peace Ceremony	Live streaming of the Hiroshima Peace Memorial Ceremony Online	Live streaming of the Hiroshima Peace Memorial Ceremony Online
Intercultural Learning	Online Intercultural learning session	In-person Intercultural learning session
A-bomb survivor’s talk	Online lecture by an a-bomb survivor	In-person lecture by an a-bomb survivor
Cultural Story Exchange	Online introduction story exchange	Online introduction story exchange
Japanese Language Lesson	Online Language lesson	None
Group Discussions	Online breakout room discussion	In-person group discussion
Feedback Session	Online survey	Online survey and in-person session

Cultural Presentation	Online Japanese culture presentation	In-person country presentations
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This study collected data from an online survey with student participant respondents (both 2021 and 2022) and feedback sessions (online in 2021 and in-person in 2022) with students. One of the authors conducted the feedback sessions as an International Seminar program moderator in both years. Samples of questions from the 2021 and 2022 International Seminars Student Feedback Survey are displayed on Table 4 below. The full sets of questions can further be found in Appendix A.

Table 4. The International Seminar 2021 & 2022 Student Feedback Sample Questions

Sample Questions taken from the 2021 & 2022 International Seminars:
<ul style="list-style-type: none"> • How would you rate the seminar overall? (Rating from the scale of 1 to 5) • What did you enjoy most about the seminar? (Free comments)) • What did you enjoy least about the seminar ? (Free comments) • How would you rate the Story • Exchange/Story Circles Session? (rating) • How would you rate the Japanese Culture session? (rating)

3. Results

Within the International Seminar, the primary goal was to collectivize students internationally to interact and communicate over specific global topics. At the end of the seminar, a qualitative feedback analysis survey was conducted to rate students' satisfaction with portions of the seminar and gauge satisfaction regarding the experience in its entirety. Researchers chose 2021 and 2022 specifically due to the contrasting formats the seminar was presented—online in 2021 during COVID-19 and face-to-face in 2022 after COVID-19. Students' perceptions were analyzed to discern the benefits of an online versus a face-to-face format for international education seminars.

In the sections below, regarding quantitative data, BEVI scores from T1 and T2 are reported, with specific emphasis to changes in Degree of World View. Furthermore, the aggregate profiles for students at the International Seminars (pre- and post-COVID-19) is reported. Regarding qualitative data, the predominant patterns relating to students' feedback and attitudes regarding 2021 and 2022 were collectivized and detailed below. First, the overall student satisfaction regarding 2021 and 2022 is evaluated. The student satisfaction for specific seminar contents for 2021 and 2022 was then quantified and compared—firstly regarding the aspects that were positively rated and then aspects which students were unsatisfied with. Finally, satisfaction regarding the intercultural activities within each seminar and satisfaction with workshop characteristics was assessed before further commentary, which is presented in the discussion section.

3.1. Possible Trends in Learning Effects Based on Student Participants in the Seminar

The Beliefs and Values Inventory, known as BEVI, is a mixed-method measure with scale items (quantitative) and free response items (qualitative).

BEVI is used as an assessment instrument to investigate students' international, multicultural and transformative learning in teaching situations. BEVI questions are asked before, known as T1, and after the teaching has ended, referred to as T2. The questionnaire contains measures related to the event. It is thus fruitful as we have perceptions of students of the same teaching event from the same kinds of students. We can

then explore changes in values and beliefs regarding the questions regarding the experiences of the course.

As this course teaches issues related to the global scene of topics, the measure of BEVI relating to world outlook seems to be a plausible way to look for teaching effects.

Table 5. Degree of World View Shift

Table 6. Descriptions of BEVI Measurements and Examples

Scale	T1	T2	F	Male	Female	F
Causal Closure	1,229	1,317	7780 (1.133)**	1.196	1.351	11.595 (1.133)***
Basic Determinism	1.718	1.856	9.187 (1,134)***	1.614	1.958	19.196 (1,134)***
Emotional attunement	3.013	3.133	6.920 (1,133)**	3.257	2.889	13.581 (1.133)***
Global engagement	2.647	2.579	4.454 (1,134)*	2.691	2.535	7,662 (1,134)**
Note	*p <.05 **p<.01		***P <.001			

Selection of BEVI Scales	Measurements and Examples
<u>Fulfillment of Core Needs</u> Causal closure (scale 2)	Unhappy upbringing/life history; conflictual/disturbed family dynamics; stereotypical thinking/odd explanations for why events happen as they do or why things are as they are (I.e., I had a wonderful childhood," Some numbers are luckier than others"
<u>Critical thinking</u> Basic determinism (scale 7)	Prefers simple explanations for differences/behavior, believes people do not change/strong will survive, trouble life history (aids may be a sign of God's anger it is only natural that the strong will survive.
<u>Self-access</u> Emotional attunement (scale 10)	Emotional, sensitive, social, needy, affiliative; values the expression of affect, close family connections (I.e., "I don't mind displays of emotion" "Weakness can be a virtue"
<u>Other Access</u> Sociocultural openness (scale 15)	Progressive/open regarding a wide range of actions, policies, and practices in the areas of culture, economics, education, environment, gender/global relations politics (e.g., We should try to understand cultures that are different from our own"" there is too big a gap between the rich and the poor in our country."
<u>Global Access</u> Ecological resonance (scale 16)	Deeply invited in environmental/sustainability issues, concerned about the fate of the earth/natural world (I.e., I worry about our environment" "We should protect the land no matter who owns it")
Global engagement/resonance (scale 17)	Invested in learning about/encountering different individuals, groups, languages, cultures, seeks global engagement, (I.e., it is important to be well informed about

world events” “I am comfortable around groups of people who are very different from me”

[14]

Table 7. Aggregate Profile of Students at the International Seminar Hiroshima Pre- & Post-Pandemic

Seemingly, when observing the different BEVI Scales included in Table 7, there seem to be similar trends between the Pre-COVID-19 group (2017) and the Post-COVID-

BEVI Scales	T1 2017	T2 2017	T1 2022	T 2 2022
Causal needs closure	17	10	51	47
Basic determinism	62	41	30	38
Emotional attunement	46	47	45	52
Sociocultural Openness	56	76	67	73
Ecological resonance	40	46	60	73
Global engagement/ resonance	54	74	62	70

19 group (2022)--with either an increase in the scales (in the case of Emotional Attunement, Social Openness, Ecological Resonance, and Global Engagement/Resonance) or decreases (Causal Needs Closure) similar in both years. The only scale which differs from this trend is Basic Determinism, where there was a decrease in 2017 and an increase in 2022. As a scale, Basic Determinism refers to the possible preference for simple explanations for observable differences. In the 2017 group, the overall preference for simple explanations went down. In contrast, in the 2022 group, the preference for simple explanations increased.

3.2. Overall Satisfaction Scores of International Seminar 2021 & 2022 Seminars

The following table was constructed from analyzing satisfaction scores taken from responding International Seminar participants in post-seminar feedback surveys from International Seminar 2021 (total of 51 feedback responses) and International Seminar 2022 (18 total responses). In 2021, a higher number of students responded to a survey since they had easier access to online survey where in 2022 students had a face-to-face feedback session, which resulted in a lower rate for feedback submission. This is likely an effect of the amount of online access of survey offered to students who participated in International Seminar online in 2021.

% of Students Satisfaction Rating with INU Conferences

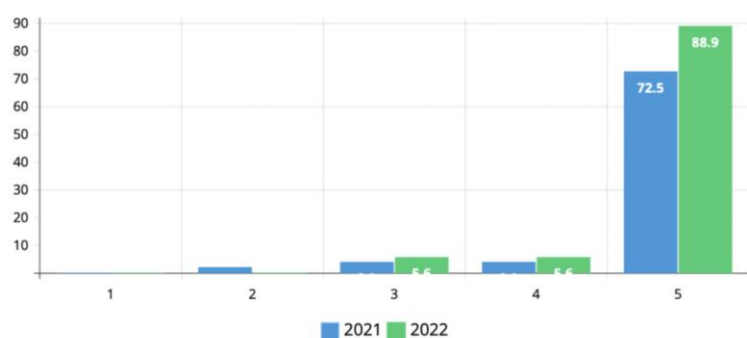


Figure 1. Percent of Student Satisfaction Rate in 2021 and 2022 International Seminar Conferences

The x-axis relates to the overall satisfaction students felt regarding the entire International Seminar based on each year. A level one rating represents poor satisfaction, while a five represents excellent satisfaction. In 2022, the overall level of satisfaction was higher in 2022 than in 2021. There are also fewer lower ratings in 2022 than in 2021 overall, with only 11.6% of scores being lower than a five, whereas, in contrast, 27.5% of scores were lower than a level five satisfaction rating in 2021.

3.3. Satisfaction with Specific Seminar Contents

When prompted further about which specific aspects of the seminar they enjoyed most, the results were consolidated based on specific events or groups of events within the seminar. The percentages in the table below were taken by calculating the percentage of how many students stated a particular portion of the event (separated into the categories of trips, keynotes/workshops, intercultural learning experiences, group presentations/UN role-play, and intercultural communication) over the total amount of feedback responses. It should be noted that the “trips” category is only applicable to 2022, as no trips occurred in 2021 as the event was conducted online. The results of these calculations are as follows:

Most Enjoyable Portion of the Seminar



Figure 2. Percent of Reported Most Enjoyable Portion of the International Seminar for 2021 and 2022

For 2021 and 2022, intercultural communication was rated as the most enjoyable portion of the seminar—64.3% in 2021 and 50.0% in 2022. Events within this category permitted participants to communicate interculturally with other participants. Examples include the break-out rooms in 2021 and in-person group study sessions in 2022.

Furthermore, in 2021, keynote presentations/workshops and intercultural learning experiences (such as the Japanese language/culture sessions) are tied for second, with 14.3% stating it was the most enjoyable part of the International Seminar. The final group presentation in 2021 was also mentioned as the favorite by 7.1% of participants surveyed (namely, going to the Peace Memorial Park). In 2022, this changed as the UN Role-Play placed as the second most enjoyable aspect of the International Seminar, with a score of 16.7%. Other aspects, such as intercultural learning experiences, keynotes/workshops, and trips, tied for third with a score of 11.1%.

There is also a particular trend regarding the wording of how 2021 and 2022 participant responses emphasized and expressed the opportunities for intercultural communication and student interaction as the most enjoyable portion of the seminar. Specifically,

it can be observed that in 2022, the word “friendship” was used to describe these interactions in 16.7% of the total responses. Though communication was mentioned several times in 2021, this term was not used to describe these interactions.

3.4. Perceived Dissatisfaction with Program Contents 2021

Conversely, when prompted about which aspects they disliked about the seminar, in 2021, students mainly criticized the online format of the seminar—with 24.5% of respondents mentioning the online format in their responses, as demonstrated by the student statement, *““ It was quite tiring sitting in front of a laptop. Hopefully next time it will be in person!””* Additionally, complaints regarding the online format prevailed in responses about other disliked issues with the seminar, such as time zones and timing—with 12.2% of responses about timing, especially in student accounts like, *““ It may not be about seminar, but the sessions are conducted on later night, so sometimes it was hard for me to keep my concentration.””*

The virtual formatting of the International Seminar 2021 seminar also influenced the responses of 12.2% of students in 2021 who stated the intercultural learning experiences were the least enjoyable—as shown by the statement below:

““ The shorter workshops on culture and language. I do think it is a great idea to include culture exchange and knowledge in the workshop, but due to the online format and the short amount of time, I felt I couldn’t fully dip into the sessions.””

Moreover, issues with the language barrier comprised 12.24% of surveyors' responses regarding the disliked portions of the 2021 International Seminar. Conjointly, issues with keynote/workshops comprised 18.4%, and 22.5% of applicants stated no issues or dislikes.

3.5. Perceived Dissatisfaction with Program Contents 2022

Comparatively, in 2022, 27.8% of survey participants critiqued the keynote speeches and workshops the most. Notably, many students expressed their dislike of the online format regarding keynote speeches, as portrayed in the quote below:

““ Keynote speakers’ lectures were very interesting, but I prefer face-to-face lecture. Online lecture sometimes allow me to left behind because it is more difficult to ask someone else””

The second most mentioned critiques in 2022 regarded timing and the in-person format (16.7% of responders for both, respectively). Specifically, students mentioned issues with jetlag or the packed schedule of the International Seminar concerning timing and issues with finding transport and remaining pandemic restrictions for critiques concerning the in-person format. The latter of which is expressed through feedback responses like the one displayed below:

““ The only thing I did not enjoy was something that was out of our control due to covid so I understand, but it would have been nice to have the arrival reception and end of the seminar reception for lack of a better word. There were not many opportunities for everyone to interact together outside of the workshop and country groups and it would have been nice to have that time to bond with one another and get to know each other better as well as end it off together.””

The remaining 11.1% of responders labeled issues with language barriers as the least enjoyable portion of the 2022 International Seminar, and 27.8% of answering participants stated no dissatisfaction with the seminar.

3.6. Students’ Satisfaction with Intercultural Activities 2021 & 2022

When prompted specifically about the satisfaction students felt regarding workshops and intercultural activities—with the most popular being the Japanese cultural exchanges and the story exchange/circles—there was a general increase in the highest satisfaction (a rating of five) from both 2021 to 2022. This increase was especially evident in the events that switched from online to in-person. The graphs below contrast how students rated specific intercultural activities—story exchange circles (conducted online in both years) and Japanese Culture sessions (conducted online in 2021 and in-person in 2022).

Story Exchange Sessions (2021 & 2022):

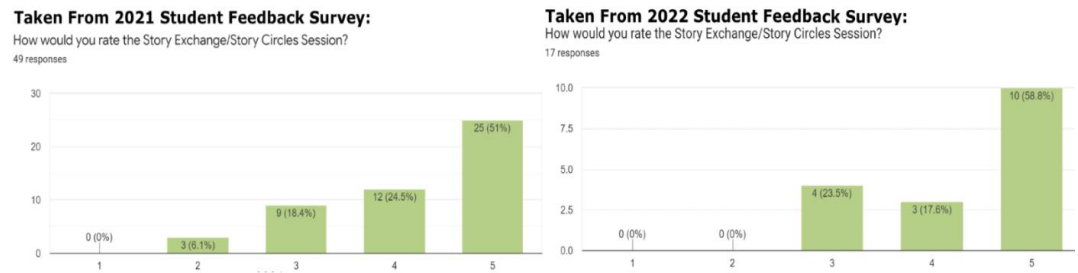


Figure 3. Percent of Student Satisfaction Rate with Story Exchange Sessions

Japanese Culture Session:

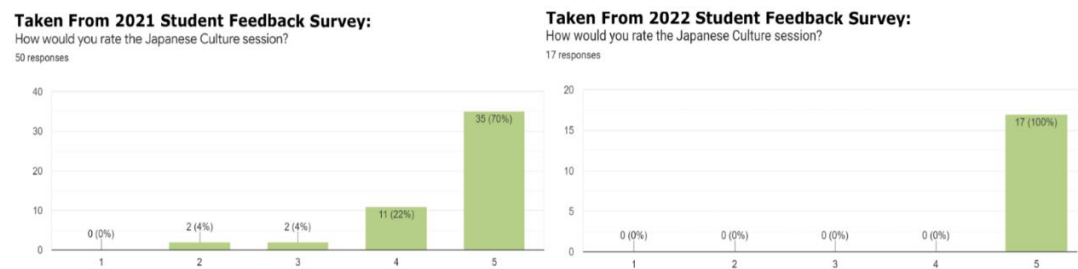


Figure 4. Percent of Student Satisfaction Rate with 2021 and 2022 Japanese Culture Sessions

The feedback responses regarding the Japanese culture session are evidence of satisfaction increase after a transfer to in-person, as the highest satisfaction ratings increased from 70% of participants in 2021 to 100% in 2022. In events that stayed online through 2022 and 2021, like the story exchange/story circles seminar, there was a general increase in overall satisfaction with lower scores like two, three, and four, collectively decreasing from 49.2% in 2021 to 41.1% in 2022.

3.7. Satisfaction with Portions of the Workshops

Pertaining to workshops, students were also prompted about the most enjoyable aspect of the workshops and, in 2022, asked about the least enjoyable aspect, as well. When prompted in 2021, 51.0% of student feedback discussed specific lecture topics as the most enjoyable, while 34.0% stated that communication portions like breakout rooms and “discussion groups with students on the topics” was the most enjoyable—which is prevalent within the student quote below:

“I enjoyed that we learned poverty and inequality from intersectional perspective. It has allowed me to gain a bigger picture how the situation arises and impacts. Also, I enjoyed moments when we worked in small group sessions. It helped to engage in an interactive learning process and exchange information.”

The 14.9% of remaining feedback responses provided critiques, expressing students' dissatisfaction with primarily the need for more interaction and less time for keynote speakers (71.4% of total critiques). The remaining 28.6% of critiques addressed the workshop topic choice and project. Regarding the most enjoyable portion of the workshops in 2022, 75% of feedback responses expressed that the discussions within the workshops were the most enjoyable portions of the lecture. The remaining 25% expressed enjoyment in specific portions of lectures or topics. Each of these notions is expressed below within the participant survey statement:

“I enjoyed Tutik lecture the best. I could get the confidence to express my opinion in English because she made positive atmosphere to hear others' opinions on the classroom. The warm mood looked like to have been shared among all classmates.”

4. Discussion

Overall, according to the tables and data presented above, the overall satisfaction with the International Seminar conferences increased between 2021 and 2022 after transitioning from a virtual conference in 2021 to a face-to-face conference in 2022. In both instances, communication and interaction with other student participants and the specific International Seminar topics were the most enjoyable aspects of the seminars. In contrast, issues with the virtual setting and time zone characterized many complaints submitted in the 2021 participant feedback survey. Moreover, issues with workshop duration and online format, as well as the issues with the language barrier, were characteristic of the critiques in the 2022 survey.

As Figure 1 indicates from the 88.9% of feedback respondents in 2022 rating the overall seminar as a "five" in contrast to the 72.5% of respondents in 2021 giving the same rating, students tend to prefer face-to-face formatting instead of online for these types of seminars. Nevertheless, it is vital to consider the discrepancies in satisfaction. While the students were generally more satisfied with 2022 than 2021, there are instances where satisfaction was higher in 2021 than in 2022. This begs the question, if students were generally happier with 2022 than 2021, why were certain parts of the seminar approved more highly in 2022 than in 2021 and vice-versa? Individual portions of the seminar must be evaluated—such as the workshops, keynote speeches, cultural activities, and the final presentation/model UN role-play. When doing so, there is an observable pattern that is presented—indicating that student satisfaction is not necessarily consistently higher when presented with a face-to-face format but instead is higher when there is an emphasis on participation communication in these types of seminars—specifically those that stress intercultural awareness, experience, and understanding. Therefore, the face-to-face format is generally preferred as there are usually more opportunities for communication and discussion in the traditional learning setting. However, creative online teaching modes that stress the importance of interaction (for example, via breakout rooms) can lead to higher satisfaction overall.

When looking at the results of students' feedback survey on specific events and programs (i.e., field trips, keynotes, workshops, etcetera) in 2021 and 2022, we can see notable differences in students' perceptions and responses based on various factors. Their perceptions were analyzed to identify the benefits of virtual versus face-to-face platforms offered in 2021 and 2022. Firstly, regarding the question, "What is your most enjoyable portion of the seminar?" intercultural communication and activities were rated as the most enjoyable, 64.3 percent in 2021 and 50 percent in 2022. In both years, student participants were encouraged to communicate with students from different linguistic and cultural backgrounds. Despite the virtual platform in 2021, students still rated intercultural activities the most enjoyable among all other online programs offered in the same year. Further, as can be seen Figure 2 (Percent of Reported Most Enjoyable Portion of the International Seminar for 2021 and 2022), more than 50.0 percent of students rated face-to-face

intercultural communication as the most enjoyable part of the seminar in 2022, one of the ultimate goals of this International Seminar is to promote global citizenship in student participants' by increasing their intercultural understanding and encouraging cross-cultural communication. Thus, this result indicates that the seminar programs' expectations and students' satisfaction levels match well in this area.

As for the group presentations held in 2021 and the UN (United Nations) General Assembly role-play in 2022, students rated higher for the UN role-play than group discussions. For example, one student, when reflecting on the event, stated that:

“Great! It was my first time at the MUN, and I think the event was a success and everyone worked hard to reach to a mutual conclusion. This motivated me to take part in further simulations like this one.”

Since the International Seminar was conducted online in 2021 during the COVID pandemic, due to its technical difficulties and limited virtual environments, the organizer decided not to implement the UN role-play in 2021. As a result, the final group presentations replaced the UN role-play as the concluding activity in the program. One of the disadvantages of holding an international seminar like this online is that the event that requires high levels of interactions, discussions, and negotiations, such as UN role-play, cannot be conducted virtually without difficulties. However, the final group presentations, which replaced the UN role-play in 2021, were still rated highly as one of the most enjoyable activities. Although the UN role-play could not be conducted this year, group presentations were successful in their online delivery, taking advantage of virtual techniques and creating videos using special effects, sounds, and e-designs.

Though the immediate impression while observing the data indicates that the overall satisfaction improved when students partook in the International Seminar conference in a face-to-face format, deeper investigation portrays the connection that portions of the event which emphasize intercultural communication and understanding are correlated to a higher level of satisfaction.

5. Conclusions

COVID-19 provides an opportunity to learn, rethink, and reconfigure educational practices for a potentially more equitable, inclusive, and accessible future that utilizes online learning teaching environments. These guidelines originate from the example within the seminar in Hiroshima, Japan, which held an international educational seminar serving a diverse student population during and after the pandemic. Drawing on students' reflections on their efforts to cope and adjust to the pandemic can help educators understand, re-examine, and redesign future educational seminars worldwide. Furthermore, these findings may facilitate future discussions on how best to create practical guidelines for asynchronous/synchronous virtual seminars. In adapting the seminar and study process to distance learning during the pandemic, the results of this study may imply that the teachers and organizers have done it responsibly by preparing lectures and breaking up group sessions using many innovative learning elements and tools to approach the distance learning materials with high quality. While the online environment has progressed with new teaching tools and interactivity over time, these type of International seminars need to be constructed in a fashion where organizers and educators take advantage of various innovative tools and teaching styles online.

The limitation of this study was that the data collected in this study is limited to student participants' perceptions and does not reflect the overall performance and outcomes of the International Seminar. Furthermore, quantitative analytical data is confined to the BEVI analysis—which assesses primarily the Belief, Values, Behaviors, and Attitudes of the student participants. In order to assess the processes and outcomes of international, multicultural, and transformative learning, we need to employ highly complex but

measurable assessment tools in the future. Any credible assessment should require a sufficient understanding of relevant design, data, and analysis by all program aspects. Finally, higher education institutions around the globe are increasingly using the language of global citizenship to describe the skills they seek to cultivate in their students' learning. As the importance of international seminar programs ascends globally, we need to assess the outcomes and impacts of online learning more thoroughly and develop more effective and innovative international curricula.

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Not applicable.

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Conflicts of Interest:

The authors declare that they have no conflict of interest.

Appendix A

The International Seminar 2021 Seminar Students Feedback Questions

•	<i>How would you rate the seminar overall? (Rating from the scale of 1 to 5)</i>
•	<i>What did you enjoy most about the seminar? (Free comments)</i>
•	<i>What did you enjoy least about the seminar ? (Free comments)</i>
•	<i>How would you rate the organization of the seminar? (Rating from the scale of 1 to 5)</i>

• How would you rate the support and information provided before the seminar? (Rating from the scale of 1 to 5)
• How well do you think the seminar addressed the issue of global inequalities in...? (Rating from the scale of 1 to 5)
• How would you rate the overall intercultural learning activities delivered...? (Rating from the scale of 1 to 5)
• What did you enjoy most about the intercultural learning activities? (Free comments)
• How would you rate the Story Exchange/Story Circles Session? (Rating from the scale of 1 to 5)
• How would you rate the Japanese Culture session? (Rating from the scale of 1 to 5)
• How would you rate the Intercultural learning session? (Rating from the scale of 1 to 5)
• How would you rate the Japanese language session? (Rating from the scale of 1 to 5)
• How would you find the session on reflection on the Hiroshima bombing? (Free comments)
• Please provide comments on how the group sessions worked and the role of your group facilitator. (Free comments)
• How would you rate the workshop on? (Rating on four different online workshops)
• What aspects did you enjoy the most from the workshops/ keynote speeches? (Free comments)
• What do you think you will take away from the International Seminar? What have you learnt, in terms of academic knowledge, personal development and cultural understanding? (Free comments)
• Would you be interested in attending seminar sessions on intercultural learning organized by the International Seminar in the future? (Yes, no and maybe answer)
• Please leave any additional thoughts and/comments. (Free comments)

The International Seminar 2022 Seminar Students Feedback Questions

• How would you rate the seminar overall? (Rating from the scale of 1 to 5)
• What did you enjoy most about the seminar? (Free comments)
• What did you enjoy least about the seminar ? (Free comments)
• What do you think you will take away from the International Seminar? What have you learnt, in terms of academic knowledge, personal development and cultural understanding? (Free comments)
• Overall, how well do you think the seminar addressed the theme of Artificial Intelligence from different perspectives? (Rating from the scale of 1 to 5)
• How would you rate the organization of the seminar? (Rating from the scale of 1 to 5)
• What aspects did you enjoy the most about the workshops? (Free comments)

•	What did you enjoy least about the workshops? (Free comments)
•	How well do you think your group worked together? (Rating from the scale of 1 to 5)
•	Please provide comments on how the group sessions worked and the role of your group moderator. (Rating from the scale of 1 to 5)
•	How would you rate the UN role play? (Rating from the scale of 1 to 5)
•	How would you describe your experience of the UN Role Play? (Free comments)
•	How would you describe your experience of the country presentation? (Free comments)
•	How would you rate the Story Exchange/Story Circles Session? (Rating from the scale of 1 to 5)
•	How would you rate the Japanese Culture session? (Rating from the scale of 1 to 5)
•	How would you rate the events (Ms. Ogura's talk, visit to Peace Memorial Museum, HU Peace Ceremony) marking the anniversary of the A-bomb on Hiroshima? (Rating from the scale of 1 to 5)
•	Would you like to give any additional feedback on any of the above activities /talk? (Free comments)

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