



Key Challenges in Language Learning at the University Level

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Abstract

this study investigates the key challenges that university students commonly encounter in the process of language learning, highlighting linguistic, socio-psychological, institutional, and technological barriers that impede effective proficiency development. Drawing upon contemporary research and pedagogical insights, the discussion examines issues such as limited exposure to authentic input, anxiety in communicative settings, curriculum–assessment misalignment, and the uneven availability of digital learning resources. The analysis underscores the need for comprehensive, learner-centered strategies that integrate supportive classroom environments, improved instructional design, and equitable access to technology. Ultimately, the study emphasizes that addressing these multidimensional constraints is essential for fostering meaningful and sustainable language acquisition at the university level.

Keywords: *language learning, university students, linguistic barriers, socio-psychological factors, pedagogical constraints, digital literacy, higher education.*

Language learning at the university level presents a uniquely complex landscape in which academic rigor, personal development, and institutional structures intersect. Unlike earlier stages of education, where language acquisition often unfolds within more guided and homogeneous environments, university students must navigate advanced linguistic demands while simultaneously adapting to diverse academic expectations. The intellectual maturity of learners at this stage enables deeper cognitive processing, yet it also introduces heightened pressures related to specialization, performance, and time management.

Furthermore, university settings require students to engage with disciplinary discourses, research-oriented texts, and culturally nuanced materials, all of which demand sophisticated language competencies. These challenges are compounded by socio-psychological factors such as anxiety, confidence fluctuations, and varying levels of motivation, which significantly influence learners' communicative readiness. Institutional frameworks, including curriculum design, assessment systems, and availability of resources, likewise shape the quality and effectiveness of language learning experiences.

In addition, rapid technological advancement has transformed linguistic environments, offering new opportunities while simultaneously introducing difficulties related to digital dependence, information overload, and inconsistent access to reliable tools. Understanding these multilayered obstacles is crucial for educators, researchers, and policymakers seeking to design more inclusive and effective language learning systems. This introduction therefore situates the discussion within a broader academic context, preparing the ground for a detailed examination of the major challenges faced by university-level language learners.

I. Cognitive and Academic Challenges in University-Level Language Learning

University-level language learning unfolds within an intellectually dense environment where academic expectations intensify and cognitive processes become increasingly layered. The transition from general linguistic exposure to advanced, specialized language use demands not

only memory and analytical rigor but also the ability to navigate disciplinary discourse with precision. Classical and modern scholars alike have observed that intellectual development, especially in matters of language, is shaped by the learner's capacity to internalize complex patterns through continuity, discipline, and repeated practice. Within this framework, the cognitive and academic challenges encountered by university students become more apparent when examined through theoretical insights and empirical reflections.

1. Increased cognitive load due to advanced vocabulary, complex grammar, and academic genres

Classical intellectual traditions in Arabic scholarship often emphasize that complex skills, including linguistic proficiency, can only be achieved through repeated cognitive engagement. Ibn Khaldūn writes:

«اعلم أن الملكات لا تحصل إلا بتكرار الأفعال»

“Know that cultivated abilities are acquired only through repeated actions.”¹©

This principle resonates strongly with the modern understanding of cognitive load in university-level language learning: advanced vocabulary and sophisticated grammatical structures require sustained mental repetition for mastery. Scholars of applied linguistics such as H. Douglas Brown note that linguistic systems grow increasingly demanding as learners progress to higher academic levels, where “the complexity of input places a heavier burden on attentional and memory resources”.²

Similarly, David Nunan highlights that academic genres, research articles, theoretical essays, and disciplinary discourse, require learners to develop specialized schemata, which significantly elevates cognitive strain.³

2. Difficulty in transferring prior language knowledge to new, specialized academic contexts

The movement from general communicative competence to discipline-specific proficiency often reveals the limitations of previously acquired language knowledge. This challenge is articulated by the renowned Arab prose stylist Al-Jāhīz, who writes:

«ولكن صناعة لسان يخصصها ومعاني تُبنى عليها»

“Every craft possesses a language of its own and meanings built specifically upon it.”⁴

University students frequently discover that every day or secondary-school language competence does not seamlessly transfer into fields such as linguistics, business, sociology, or natural sciences. Scholars like Pauline Gibbons observe that academic registers require an entirely different repertoire of lexical and grammatical resources, often unrelated to previously learned forms.⁵

3. Limited retention caused by multitasking across multiple university courses

Cognitive psychology acknowledges that retention diminishes when mental tasks compete for limited resources. This is indirectly echoed in the reflections of medieval scholars who stressed the fragmentation of attention as detrimental to mastery. Al-Rāghib al-Aṣḥānī notes:

«تفرق الهم يُفسد الفكر»

¹ Ibn Khaldūn, *Al-Muqaddimah* (Cairo: Dār al-Fikr, 2005), 1: 143

² Brown, *Principles of Language Learning and Teaching* (New York: Pearson, 2014), 112

³ Nunan, *Second Language Teaching & Learning* (Boston: Heinle, 1999), 57

⁴ Al-Jāhīz, *Al-Bayān wa al-Tabyīn* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2012), 1: 89

⁵ Gibbons, *Scaffolding Language, Scaffolding Learning* (Portsmouth: Heinemann, 2002), 76

“The scattering of one’s concern corrupts thought.”⁶

Modern educational research supports this view: multitasking, common among university students balancing multiple courses, reduces long-term retention of language structures. John Sweller’s cognitive load theory explains that when working memory becomes overloaded, “germane processing” essential for language acquisition is compromised.⁷

4. Challenges in developing higher-order skills such as critical reading and analytical writing in a foreign language

Advanced academic skills such as critical reading, synthesis, and argumentative writing require conceptual maturity and linguistic precision. The challenge is magnified when these skills must be performed in a language other than one’s own. As the English linguist Michael Halliday explains, academic literacy demands “lexicogrammatical patterns that encode relations of logic, evaluation, cause, and abstraction” (Halliday, *Language and Education* (London: Continuum, 2004), 198).

Furthermore, Arab intellectual tradition recognizes the layered nature of advanced literacy. Al-Ḥarīrī, in his *Maqāmāt*, captures the intricacies of refined discourse:

«فإنَّ البيانَ لا يبلُغُ كمالَهُ إلَّا بميزانٍ من العقلِ وإحكامٍ في اللفظِ»

“Eloquence attains perfection only through the balance of intellect and the precision of expression.”⁸

This intertwining of intellect and expression parallels contemporary pedagogical findings: students must not only understand texts but evaluate, interpret, and produce them in analytically rigorous ways, tasks that require language mastery beyond surface proficiency.

5. Struggles in adapting to discipline-specific linguistic conventions required for academic success

Every academic field cultivates its own discursive norms, terminologies, and linguistic structures. Navigating these conventions constitutes a major challenge for language learners. Hyland emphasizes that academic disciplines “construct knowledge through their characteristic rhetorical patterns,” requiring learners to internalize these patterns to participate meaningfully (Hyland, *Disciplinary Discourses* (Ann Arbor: University of Michigan Press, 2004), 9).

The medieval grammarian Ibn Jinnī anticipated this insight when he remarked:

«واللغةُ إنما تُعرَفُ بخصائصِ استعمالِها»

“A language is known only through the characteristics of its usage.”⁹

Thus, proficiency at the university level is not merely a matter of acquiring words and structures but of understanding the communicative logic of each discipline, an intellectual challenge that requires both immersion and conceptual adaptation.

II. Time Management and Workload-Related Obstacles

The pressures of university life create a demanding rhythm in which language learning competes with numerous academic and personal commitments. Students are often required to divide their attention between core disciplinary courses, extracurricular obligations, and professional preparation. Within this intricate web of responsibilities, the time needed for steady linguistic growth is frequently eroded. Classical Islamic intellectual heritage and modern educational

⁶ (Al-Aṣḥānī, *Al-Dhari‘ah ilā Makārim al-Sharī‘ah* (Cairo: Maktabat al-Thaqāfah al-Dīniyyah, 2007), 41)

⁷ (Sweller, *Cognitive Load Theory* (New York: Springer, 2011), 37).

⁸ (Al-Ḥarīrī, *Maqāmāt* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2010), 22)

⁹ (Ibn Jinnī, *Al-Khaṣā‘iṣ* (Cairo: Dār al-Kutub, 1952), 1: 15)

research both address the consequences of fragmented schedules and overextended workloads, offering insights that illuminate the difficulties faced by language learners in higher education.

1. Balancing language study with major requirements, internships, and personal responsibilities

The challenge of balancing multiple intellectual pursuits is not new. Imām al-Ghazālī stresses the importance of devoted focus in one's educational journey:

«مَنْ شُغِلَ بِغَيْرِ الْمُهِّمِ ضَيَّعَ الْأَهَمَّ»

“Whoever becomes occupied with what is less important loses what is most important.”¹⁰

University students often find themselves torn between major requirements, internships, and personal obligations, leaving insufficient space for language study. Contemporary scholars such as Richard Light affirm that students' academic success is highly dependent on the ability to allocate structured, purposeful time across various commitments.¹¹ This division of attention complicates sustained engagement with language learning tasks that require deep focus.

2. Insufficient time for consistent practice, leading to slow skill development

Language learning thrives on continuity. Ibn ‘Aṭā’ Allāh al-Sakandarī captures the essence of steady practice when he writes:

«مَا نَفَعَ الْقَلْبَ شَيْءٌ مِثْلُ عَزَلَتِهِ وَالِدُخُولِهِ فِي مَيْدَانِ التَّفَكُّرِ»

“Nothing benefits the heart like seclusion and entering the field of reflection.”¹²

In the context of language learning, such “reflection” corresponds to steady, focused practice. Modern applied linguistics research repeatedly highlights that inconsistent practice disrupts the consolidation of linguistic structures. As Jeremy Harmer notes, “regular exposure is the cornerstone of meaningful progress in second language acquisition”.¹³ Without consistent time investment, students' development slows and previously learned material decays.

3. Irregular study patterns reducing the effectiveness of long-term language acquisition

Irregularity undermines cognitive retention. Ibn al-Jawzī emphasizes the transformative effect of disciplined continuity:

«إِنَّمَا تُثَبَّتُ الْمَعَارِفُ بِدَوَامِ الْمُطَالَعَةِ»

“Knowledge becomes firmly established only through continuous study.”¹⁴

Educational theorists such as Ebbinghaus later demonstrated through empirical research that memory fades rapidly without frequent review, a phenomenon that university students experience acutely when juggling irregular study sessions. Skill acquisition models in cognitive science similarly stress that sporadic engagement disrupts the development of automated language processes essential for fluency.¹⁵

¹⁰ (Al-Ghazālī, *Iḥyā’ ‘Ulūm al-Dīn* (Cairo: Dār al-Ma‘ārif, 2004), 3: 112)

¹¹ Light, *Making the Most of College* (Cambridge: Harvard University Press, 2001), 67

¹² (Ibn ‘Aṭā’ Allāh, *Al-Ḥikam* (Cairo: Maktabat al-Thaqāfah al-Dīniyyah, 2008), 54)

¹³ Harmer, *The Practice of English Language Teaching* (London: Longman, 2007), 52

¹⁴ (Ibn al-Jawzī, *Sayd al-Khāṭir* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2010), 33)

¹⁵ Anderson, *Cognitive Psychology and Its Implications* (New York: Worth Publishers, 2015), 284

4. Pressure from overlapping deadlines across general and language courses

Academic schedules often cluster deadlines without consideration for students' cognitive limits. This creates peak periods of stress during which language-related tasks are often deprioritized. The philosopher Al-Rāghib al-Aṣḥānī captured the strain of excessive burdens:

«إِذَا كَثُرَتِ الْأَعْمَالُ فَسَدَ التَّدْبِيرُ»

“When tasks become too many, proper management becomes impaired.”¹⁶

Research in academic psychology echoes this sentiment. Linda Nilson observes that students under deadline pressure “default to surface learning strategies,” minimizing critical engagement with language tasks.¹⁷ Consequently, the overlap of assignments across different courses compromises the deep work necessary for language proficiency.

5. Limited time for extensive reading, writing, and revision essential for proficiency improvement

At advanced levels, language learning relies heavily on extensive reading and writing, activities that require large blocks of uninterrupted time. The linguist Frank Smith asserts that reading “is not an incidental activity but a sustained intellectual act that grows only with extended practice”.¹⁸ Classical thinkers also recognized the depth required for mastery. Al-Jurjānī remarks:

«اللفظ لا يُدرَكُ سرُّهُ إِلَّا بِمَنْ كَثُرَتْ مُطَالَعَتُهُ لِلْكِتَابِ وَطَالَ نَظَرُهُ فِي الْفُنُونِ»

“The secret of expression is unveiled only to one who reads extensively and spends long reflection across various disciplines.”¹⁹

Given the heavy demands of university schedules, students rarely have the sustained time necessary to engage deeply with such texts or to revise their own writing thoroughly. This shortage of reflective engagement diminishes the quality of linguistic growth and limits the development of higher-order proficiency.

III. Socio-Psychological and Affective Barriers

The emotional and psychological dimensions of language learning often determine the degree to which students can engage meaningfully with academic tasks. While cognitive ability sets the foundation, affective states, confidence, motivation, comfort, and social security, shape how learners participate, persevere, and internalize linguistic structures. University students encounter heightened expectations and public performance demands, making affective barriers more pronounced. Both classical Islamic scholarship and contemporary educational psychology explore the inner workings of fear, self-perception, and interpersonal dynamics, offering insight into how such forces influence the learning of a new language in higher education.

1. Anxiety arising from speaking in front of peers and native speakers

Public speech has historically been associated with apprehension, especially when proficiency is still developing. Al-Jāhīz poignantly observes:

«أَشَدُّ مَا يَهَابُهُ الْإِنْسَانُ لِسَانُهُ»

“The thing a person fears most is his own tongue.”²⁰

¹⁶ (Al-Aṣḥānī, *Muḥāḍarāt al-Uḍabā* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 1998), 2: 91)

¹⁷ Nilson, *Teaching at Its Best* (San Francisco: Jossey-Bass, 2016), 145

¹⁸ Smith, *Understanding Reading* (Mahwah: Lawrence Erlbaum, 2004), 27

¹⁹ (Al-Jurjānī, *Asrār al-Balāghah* (Cairo: Maktabat al-Khānjī, 2011), 15)

²⁰ (Al-Jāhīz, *Al-Bayān wa al-Tabyīn* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2012), 1: 174)

In the university context, speaking before peers, particularly native speakers, can activate performance anxiety. Modern research by Elaine Horwitz identifies foreign language anxiety as a distinct psychological construct that impairs fluency, recall, and communicative confidence.²¹ Such anxiety limits spontaneous interaction and restricts learners' opportunities for oral practice.

2. Low self-confidence due to fear of making mistakes or being judged

Fear of error often weakens learners' willingness to participate. Ibn Ḥazm describes the human inclination to avoid exposure:

«النفوسُ تَفِرُّ مِنَ النِّقْصِ فِرَارَهَا مِنَ الْمَوْتِ»

“Souls flee from deficiency as they flee from death.”²²

The fear of “deficiency” manifests acutely in language classrooms, where mistakes are publicly visible. Stephen Kashan similarly notes that high affective filters, stemming from self-doubt, block input and significantly reduce acquisition.²³ Such psychological pressure prevents students from taking linguistic risks necessary for growth.

3. Cultural unfamiliarity creating discomfort in engaging with authentic materials

Students often encounter authentic texts and media embedded with cultural references beyond their experiential horizon. This gap can generate discomfort or cognitive dissonance. Al-Tawḥīdī captures the tension of encountering unfamiliar modes of thought:

«الغريبُ مُسْتَقْبَلٌ وَإِنْ كَانَ نَفِيسًا»

“What is unfamiliar is often burdensome even if valuable.”²⁴

Contemporary intercultural communication scholars, such as Claire Kramsch, affirm that cultural distance can affect comprehension and emotional comfort, making authentic materials seem “opaque” or alienating for learners unaccustomed to foreign sociocultural codes.²⁵ This barrier slows engagement and reduces the depth of language immersion.

4. Social isolation experienced by students who feel inadequate in language-based interactions

Learners who perceive themselves as linguistically inferior may retreat into isolation. Ibn Qutaybah observes the human tendency toward withdrawal when struggling with expression:

«الْعَبِيُّ يَحْمِلُ صَاحِبَهُ عَلَى التَّنَجِّي»

“Inarticulateness pushes its possessor toward withdrawal.”²⁶

University students navigating group discussions, group projects, or social events often avoid participation when linguistic competence feels insufficient. Sarah Mercer's research demonstrates that social isolation diminishes opportunities for peer scaffolding and conversational practice, both essential for language acquisition.²⁷ Without social engagement, learners lose critical communicative exposure.

²¹ Horwitz, *Language Anxiety and Learning Experience* (New York: Pearson, 2017), 39

²² (Ibn Ḥazm, *Al-Akhlāq wa al-Siyar* (Cairo: Dār al-Ma'ārif, 1985), 29)

²³ Krashen, *Principles and Practice in Second Language Acquisition* (Oxford: Pergamon Press, 1982), 38

²⁴ (Al-Tawḥīdī, *Al-Imtā' wa al-Mu'ānasah* (Beirut: Dār al-Kutub al-'Ilmiyyah, 2010), 2: 91)

²⁵ Kramsch, *Context and Culture in Language Teaching* (Oxford: Oxford University Press, 1993), 78

²⁶ (Ibn Qutaybah, *Adab al-Kātib* (Cairo: Maktabat al-Khānjī, 1988), 12)

²⁷ Mercer, *Language Learner Psychology* (Bristol: Multilingual Matters, 2018), 101

5. Motivation fluctuations influenced by academic stress and personal expectations

Motivation is dynamic, influenced by emotional states, academic pressures, and fluctuating self-awareness. The classical maxim of Ibn al-Qayyim reflects this variability:

«الهِمَّةُ تَصْعَدُ وَتَهْبِطُ كَالنَّفْسِ»

“Aspiration rises and falls like breath.”²⁸

In higher education, this ebb and flow intensifies under assessment cycles, workload stress, and personal expectations. Zoltán Dörnyei’s studies show that fluctuations in motivation directly affect persistence, strategy use, and task engagement.²⁹ The instability of motivation disrupts long-term momentum required for sustained language development.

IV. Institutional and Pedagogical Constraints

Institutional structures and pedagogical frameworks greatly influence the quality of language learning at the university level. Even highly motivated and capable students may struggle when instructional conditions restrict meaningful engagement or constrain the development of communicative competence. Universities often face administrative pressures, budgetary limitations, and curricular traditions that shape the delivery of language instruction. Classical scholars reflected deeply on the nature of effective teaching and intellectual cultivation, while contemporary researchers have analyzed how institutional arrangements either facilitate or hinder learner progress. Together, these viewpoints illuminate the structural challenges that impede language acquisition in higher education.

IV. Institutional and Pedagogical Constraints

1. Large class sizes limiting individual feedback and speaking opportunities

Crowded classrooms reduce opportunities for personalized instruction, which is central to language development. Imām al-Shāfi‘ī alludes to the need for close, individualized teaching when he states:

«مَنْ تَعَلَّمَ الْعِلْمَ فِي الْجُمْلَةِ ذَهَبَ عَنْهُ عِلْمُهُ فِي التَّفْصِيلِ»³⁰

“Whoever learns knowledge only in mass form loses its detail.”

Large classes inevitably force instruction into “mass form,” limiting detail-oriented feedback. Contemporary pedagogy also stresses the value of individual attention. Jim Scrivener notes that in oversized language classes, “teacher-student interaction becomes diluted,” restricting opportunities for speech practice and corrective feedback.³¹ Without such interaction, students’ communicative skills develop unevenly and slowly.

2. Course curricula that emphasize theoretical knowledge over communicative competence

Some university programs prioritize grammatical theory or literary history at the expense of practical communication. This imbalance contradicts classical pedagogical wisdom that stresses functional mastery. Ibn Sīnā emphasizes the importance of aligning instruction with practical purpose:

«الْغَرَضُ مِنَ الْعِلْمِ عَمَلُهُ»

²⁸ (Ibn al-Qayyim, *Madarij al-Sālikīn* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2009), 1: 71)

²⁹ Dörnyei, *Motivational Strategies in the Language Classroom* (Cambridge: Cambridge University Press, 2001), 23

³⁰ Al-Shāfi‘ī, *Al-Risālah* (Cairo: Dār al-Turāth, 2001), 45

³¹ Scrivener, *Learning Teaching* (Oxford: Macmillan, 2011), 116

“The aim of knowledge is its practice.”³²

Modern linguists echo this view. Dell Hymes, in his foundational work on communicative competence, argues that language teaching must cultivate the ability to use language appropriately in social contexts, not merely analyze it as an abstract system.³³ Curricula that overemphasize theory therefore limit students’ real-world proficiency.

3. Limited availability of interactive or technology-enhanced learning resources

Technological tools such as language-learning software, multimedia platforms, and virtual communication environments enhance learner engagement, yet many institutions lack robust support for these resources. Al-Jurjānī highlights the importance of diverse modes of exposure in learning:

«المعاني تزداد وضوحًا بتعدد الطُرُق إليها»

“Meanings grow clearer when approached through multiple pathways.”³⁴

This principle aligns with modern findings that multimedia environments support multimodal processing and improve comprehension. Richard Mayer’s research on multimedia learning demonstrates that students benefit when language input is reinforced through complementary visual and auditory channels.³⁵ Institutions lacking these tools place students at a disadvantage.

4. Assessment systems that prioritize memorization rather than skill demonstration

Examinations that reward rote memorization obscure the purpose of language learning, which is to communicate meaningfully. Ibn al-Jawzī criticizes superficial learning based on repetition without true comprehension:

«حفظٌ بلا فهمٍ كجسدٍ بلا رُوحٍ»

“Memorization without understanding is like a body without a soul.”³⁶

Modern assessment experts similarly argue that communicative assessments, interviews, portfolios, interactive tasks, better measure real proficiency. Lyle Bachman states that valid language assessment must evaluate “the ability to understand and convey meaning in context” rather than isolated forms.³⁷ Systems reliant on memorization fail to capture meaningful language ability.

5. Reduced access to language labs, tutoring centers, or trained support staff

Support infrastructure plays a crucial role in providing supplemental practice and guidance. Ibn Khaldūn discusses the importance of structured environments and expert guidance for skill acquisition:

«الصناعة لا تُكتسبُ إلا بمباشرة أهلها»

“A craft is not acquired except through close association with its practitioners.”³⁸

Language labs, tutoring centers, and trained support personnel serve precisely this function, they give students access to “practitioners” who model correct usage and provide targeted feedback. However, in many universities, such resources are scarce or understaffed. Research by Deborah

³² (Ibn Sīnā, *Al-Najāt* (Cairo: Dār al-Ma‘ārif, 1985), 221)

³³ Hymes, *Foundations in Sociolinguistics* (Philadelphia: University of Pennsylvania Press, 1974), 76

³⁴ (Al-Jurjānī, *Dalā’il al-I’jāz* (Cairo: Maktabat al-Khānjī, 2010), 47)

³⁵ Mayer, *Multimedia Learning* (Cambridge: Cambridge University Press, 2009), 89

³⁶ (Ibn al-Jawzī, *Talbīs Iblīs* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2001), 91)

³⁷ Bachman, *Fundamental Considerations in Language Testing* (Oxford: Oxford University Press, 1990), 113

³⁸ (Ibn Khaldūn, *Al-Muqaddimah* (Cairo: Dār al-Fikr, 2005), 2: 337)

Healey underscores that support services significantly improve learner autonomy and long-term proficiency when available and well-structured.³⁹ In their absence, learners are left without critical reinforcement mechanisms.

V. Technological and Resource-Based Difficulties

The rapid expansion of digital technologies has transformed language learning environments, offering unprecedented access to diverse materials and tools. Yet these developments also introduce new challenges, especially for university students who must navigate complex platforms, evaluate digital content critically, and avoid technological shortcuts that compromise genuine linguistic growth. Classical scholars emphasized discernment, methodical learning, and reliance on authentic sources, principles that resonate strongly with today's digital-learning dilemmas. Contemporary researchers likewise highlight the importance of digital literacy and informed resource selection in effective language education. Within this intersection of tradition and modernity, the technological and resource-based difficulties faced by learners become more clearly defined.

1. Overreliance on digital translation tools hindering authentic language production

The ease of digital translators tempts students to bypass the cognitive processes essential for language development. Ibn Taymiyyah warns against superficial forms of knowledge that imitate understanding without engaging with its reality:

«التقليد بلا تمييز يُضعف العقل ويُفسد الفكر»

“Imitation without discernment weakens the intellect and corrupts thought.”⁴⁰

This insight parallels modern findings that automated translation tools reduce the mental effort needed for lexical retrieval and syntactic construction. Researchers such as Paul Nation argue that excessive dependence on such tools “short-circuits the productive processes necessary for vocabulary acquisition and fluency”.⁴¹ Consequently, students produce mechanically derived language rather than developing authentic proficiency.

2. Inconsistent access to reliable digital learning platforms or multimedia resources

Technological inequality affects the quality of language exposure. Al-Kindī, reflecting on the nature of knowledge, notes:

«الوسائل باب المقاصد»

“Means are the gateway to goals.”⁴²

If the “means”, platforms, internet connectivity, multimedia tools, are unstable or inaccessible, learners are deprived of essential opportunities for listening practice, interactive exercises, or authentic audiovisual materials. Contemporary studies on CALL (Computer-Assisted Language Learning) reveal that irregular digital access leads to fragmented learning and reduced motivation, undermining the consistency required for progress.⁴³

³⁹ Healey, *CALL: A Research Handbook* (New York: Routledge, 2018), 204

⁴⁰ (Ibn Taymiyyah, *Majmū‘ al-Fatāwā* (Riyadh: Dār ‘Ālam al-Kutub, 1995), 10: 301)

⁴¹ Nation, *Learning Vocabulary in Another Language* (Cambridge: Cambridge University Press, 2013), 77

⁴² (Al-Kindī, *Rasā’il al-Kindī al-Falsafīyyah* (Cairo: Dār al-Fikr al-‘Arabī, 1950), 112)

⁴³ Hubbard, *Computer-Assisted Language Learning* (New York: Routledge, 2021), 142

3. Difficulties in navigating online academic databases in a second language

University-level research requires a high degree of digital literacy, which becomes more complex when conducted in a second language. Al-Jāhīz captured the challenge of navigating complex texts when he stated:

«العلم بحرٌ مَنْ دَخَلَهُ بِغَيْرِ آلَةٍ غَرِقَ»

“Knowledge is an ocean; whoever enters it without proper tools will drown.”⁴⁴

For language learners, unfamiliar academic vocabulary, dense prose, and specialized search functions can make databases intimidating. Modern scholars such as Christine Bruce emphasize that information literacy is not merely a technical skill but a linguistic and cognitive one, requiring refined command of academic discourse.⁴⁵ Without such competence, navigating databases becomes a major obstacle.

4. Lack of personalized digital tools for vocabulary, pronunciation, and grammar development

Although a variety of digital tools exist, they are not always tailored to individual learner needs. Ibn al-Qayyim underscores that learning must match the learner’s pace and disposition:

«التربيةُ على مقادير القوى»

“Education must be proportioned to the learner’s capacities.”⁴⁶

This principle aligns with modern research showing that personalized learning technologies, adaptive vocabulary systems, individualized pronunciation apps, progress-tracking tools, significantly enhance proficiency. However, many institutions lack access to such tailored systems. Researchers like Mark Warschauer highlight that generic digital tools fail to address learners’ specific linguistic gaps, reducing the effectiveness of digital learning.⁴⁷

5. Challenges in evaluating the quality and credibility of online language-learning materials

The abundance of online content complicates learners’ ability to determine what is linguistically accurate or pedagogically sound. Al-Ghazālī warns against unverified sources:

«لا تأخذ العلمَ مِنْ صَحَافٍ لَا مُعَلِّمَ لَهُا»

“Do not take knowledge from pages without a teacher to guide them.”⁴⁸

This classical caution resonates strongly in the digital age. Many online materials are outdated, inaccurate, or contextually misleading. Applied linguist Brian Tomlinson notes that learners often struggle to distinguish credible resources from poorly designed materials, which can “introduce fossilization of incorrect patterns”.⁴⁹ Without proper evaluation skills, students risk internalizing flawed language models.

⁴⁴ (Al-Jāhīz, *Al-Hayawān* (Beirut: Dār al-Kutub al-‘Ilmiyyah, 2011), 1: 55)

⁴⁵ Bruce, *The Seven Faces of Information Literacy* (Adelaide: Auslib Press, 1997), 54

⁴⁶ (Ibn al-Qayyim, *Tuhfat al-Mawlood* (Cairo: Maktabat al-Qudsī, 1992), 89)

⁴⁷ Warschauer, *Technology and Social Inclusion* (Cambridge: MIT Press, 2004), 121

⁴⁸ (Al-Ghazālī, *Faḍā’ih al-Bāṭiniyyah* (Cairo: Dār al-Ma‘ārif, 2003), 19)

⁴⁹ Tomlinson, *Materials Development in Language Teaching* (Cambridge: Cambridge University Press, 2013), 66